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इस भाग में भिन्न पृष्ठ संख्या दी जाती है, जिससे कि यह अलग संकलन के रूप में रखा जा सके ।

(Separate paging is given to this Part in order that it may be filhd as a separate cempilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed Under Section 135, of the Act.

20th January, 1983

75/Cal/83. Amsted Industries Incorporated. Railway coupler shelf chamfer.

76/Cal/83. Charbonnages De France. Hearth and process for fluidisedbed treatment of a fuel.

77/Cal/83. Arabinda Kar. Method for instant and continuous filtration/purification of water and a water filter.

78/Cal/83. Westinghouse Electric Corporation. Static var generation for transmission line compensation.

79/Cal/83. The Lubrizol Corporation. Compositions for use in alcohol and alcohol containing fuels.

80/Cal/83. The Lubrizol Corporation. Compositions for use in alcohol and containing fuels.

21st January, 1983

81/Cal/83. Dr. Anil Krishna Kar. Method of making stabilised constructions and stabilised constructions so produced.

82/Cal/83. Hoechst Aktiengesellschaft. Water soluble copper complex disazo compounds, processes for their preparation, and their use as dyestuffs.

83/Cal/83. Abex Corporation, Snubber.

84/Cal/83. Mobil Oil Corporation. Method and apparatus for fluid catalytic cracking.

22nd January 1983

85/Cal/83. Abraham Van Der Veen and Jelle Van Der Veen. Container for ground material removed by a ground working device from the bottom of a watercourse.

24th January 1983

86/Cal/83. Mitsubishi Denki Kabushiki Kaisha. Air circuit breaker-1.

87/Cal/83. Mitsubishi Denki Kabushiki Kaisha. Air circuit breaker-2.

88/Cal/83. Mitsubishi Denki Kabushiki Kaisha. Air circuit breaker-3.

89/Cal/83. Research Association For Petroleum Alternatives Development. Process for manufacturing alcohol by fermentation.

90/Cal/83. Angelo Bros., Limited. A process for the production of garnet shellac.

91/Cal/83. Siemens Aktiengesellschaft. Electrical insulating material.

92/Cal/83. Siemens Aktiengesellschaft. Electrical insulating material.

93/Cal/83. Bernd Stoy and Erich Pohlmann. Heating and/or cooking device.

94/Cal/83. Mitsui Toatsu Chemicals. Incorporated. Process for the preparation of a salt of 2-phenoxyanthraquinone-polysulfonic acid. [Divisional date 3rd April, 1979].

95/Cal/83. Hitachi Limited. Glass-molded semiconductor device.

25the January 1983

96/Cal/83. Siemens Aktiengesellschaft. Flexible electrical cable.

97/Cal/83. Siemens Aktiengesellschaft. Fexible electrical cable.

'Cal/83. Chemische Werke Huls Aktiengesellschaft. The use of chloro-s-triazines substituted by one or two cyclohexy-lamino groups having at least three monovalent substituents or by cyclopenty-lamino groups as selective agents against weeds and noxious grasses.

'al/83. Hoechst Aktiengesellschaft. Process for the preparation of rhamnose or fucose.

'al/83. Societe Alsacienne De Construction De Material Textile. A device for high-speed guiding of a web of textile fibres and for forming a sliver within a guide duct prior to introduction into a can coiler.

101/Cal/83. Wilkinson Sword Limited. An improved razor blade assembly. (27th January, 1982).

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATES, III FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST) BOMBAY-400 013

05th January 1983

1/BOM/83. Gulam Ahmed Bin Abbahamed Abdan. Improvement in and modification of gear operation and mobilisation in three wheeler auto rikshaw.

07th January 1983

2/BOM/83. Dholaria Karsan Ramjibhai. A fuel saving device by reducing back pressure in I. C. Engines.

3/BOM/83. Bharat Bobbins Lad. Warping beam.

10th January 1983

4/BOM/83. Anant Mahadeo Parulkar. Air conditioners.

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CLASS 80E. 151110

Int. Cl.: B 01 d 25/06.

A CELL SYSTEM MADE OF SYNTHETIC PLASTIC MATERIAL FOR MULTI CELL GRANULAR MEDIA FILTERS.—

Applicants: ENVIRONMENTAL ELEMENTS CORPORATION, U.S.A.

Inventor: RICHARD ALEXANDER ADIE

Application No. 14/Cal/79 filed January 5, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

2 Claims

A cell system made of synthetic plastic material for multi cell granular media filters comprising: (a) a plurality of cell sheets for dividing the filter into a plurality of cells, each cell sheet having integral horizontal shoulders protruding from each side and extending the entire length for

supporting porous filter plates, each cell sheet having integral foot means for attaching the cell sheet to levelling strips attached to the base of the filter, each cell sheet having a plurality of holes evenly spaced along the length thereof above the shoulders for attaching a plate holding means and each cell having a plurality of holes spaced along each edge thereof for attaching the cell sheet to the ends of the filter; (b) a plurality of port means for connecting the cell sheets at one end thereof and for providing ports between a filtrate receiving means and an effluent channel, each port means comprising a rectangular front panel having a plurality of circular openings, a rectangular rear panel of smaller height than the front panel having a plurality of circular openings corresponding to the openings in the front panel, a plurality of cylindrical tubes extending from the openings in the front panel to the openings in the rear panel, a tapered reinforcing plate extending from the front panel to the rear panel above each tube, a plurality of horizontal ledges projecting from the front side of the front panel above each circular opening supporting the porous filter plates, a plurality of pairs of vertical dogs projecting from the front side of each port means, each pair of dogs forming a slot for receiving the ends of the cell sheets and each pair of dogs having a plurality of holes for attaching the cell sheets, the front panel and rear panel also having a tongue at one end thereof and a groove at the other end thereof for attachment to adjacent port means; (c) a plurality of end cell panels for connecting the other end of the cell sheets together comprising a rectangular panel having a plurality of tapered rectangular projections extending from the rear side thereof, each projection having a large hole therein, a plurality of horizontal ledges projecting from the front side of the end cell panel for holding the porous plates, a plurality of pairs of vertical dogs projecting from the front side of each end cell panel, each pair of dogs forming a slot for receiving the ends of the cell sheets and each pair of dogs having at plurality of holes for attaching the cell sheets, and each end cell panel having means at the edges thereof for attachment to adjacent end cell means.

(Complete Specification 30 Pages. Drawing 3 Sheets.)

CLASS : 169B$_4$. 151111.

Int. Cl. F 41 j 5/12.

IMPROVEMENTS IN OR RELATING TO TARGET EQUIPMENT.

Applicants : AUSTRALASIAN TRAINING AIDS (PTY) LTD., OF 161169 FALLON STREET, ALBURY, NEW SOUTH WALES, AUSTRALIA.

Inventors : LINDSAY CHARLES KNIGHT, ROBERT BARRETT PHILLIPS, WILLIAM HENRY BOWYER, AND ANTHONY THOMAS CURTIS.

Application No. 16/Cal/79 filed January 6, 1979.

Convention date 6th January, 1978 (00567/78) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

7 Claims

A target apparatus comprising a plurality of transducers adapted to be located adjacent a target and adapted to detect shock or pressure wave generated by a bullet or other projectile aimed at the target, a computer or other calculating means adapted to calculate, from signals generated by the transducers, information regarding the trajectory of said bullet or projectile, and means for recording or displaying information representative of the position of said trajectory, said apparatus further including a signal transmitter capable of generating and transmitting sonic or other signals transmitted as pressure waves in air, the computer or other calculating device being adapted to detect signals generated by the transducers in response to said sonic signals transmitted by said signal transmitter and to calculate the position of the signal generator, the signal generator being positionable to indicate the position of the target, the computer or calculating device being adapted to store information representative of the said position of the target.

(Compl. Specn. 15 Pages. Drg. 2 Sheets).

CLASS 205B. 151112.

Int. Cl. B 60 C 25/00.

POST CURE INFLATOR.

Applicants : NRM CORPORATION, OF 3200 GILCHRIST ROAD, P.O. BOX 6338 AKRON, OHIO 44312. UNITED STATES OF AMERICA.

Inventors : ARMINDO CANTARUTTI, GERALD JOSEPH YUHAS AND LEONARD GERALD TURK.

Application No. 78/Cal/79 filed January 25, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). The Patent Office, Calcutta.

35 Claims.

A post cure inflator comprising vertically separable tire inflating chuck rings, means to position a tire adjacent said post cure inflator within a predetermined position tolerance, loader means operative to pick up such tire and center the same to a predetermined center, said loader including means to shift such tire to align such predetermined center with at least one of said chuck rings to place the tire properly centered in the post cure inflator.

(Compl. Specn. 25 Pages. Drg. 5 Sheets.)

CLASS 691 & 102A. 151113.

Int. Cl. H 01 h 3/24.

A HYDROPNEUMATIC PISTON ACCUMULATOR EQUIPPED WITH A GAS SHORTAGE DETECTION DEVICE.

Applicant & Inventor : JEAN LOUIS GRATZMULLER, OF 66 BOULEVARD MAURICE BARRES, 92200 NEUILLY SUR SEINE, FRANCE.

Application No. 171/Cal/79 filed February 24, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). The Patent Office, Calcutta.

8 Claims.

A hydropneumatic piston accumulator comprising a cylinder, two cylinder ends and a free piston which divides the cylinder into a liquid compartment and a gas compartment, of the type comprising a gas shortage detection device provided with a movable member which is placed within the gas compartment and on which a thrust is exerted by the piston or a member in rigidly fixed relation thereto when the said piston comes closer to the cylinder end on the gas side than a first predetermined distance, the said movable member being adapted to actuate a gas shortage warning system when displaced under the action of the thrust exerted by the said piston, characterized in that motion-reversal coupling means working in traction are interposed between the said piston and the said movable member, and that the said coupling means have a dead range of travel of predetermined value so that the said movable member is also displaced in the same direction as when it is displaced directly under the action of the thrust exerted by the piston and therefore in the direction of operation of the warning system when the piston moves away from the cylinder end on the gas side beyond a second predetermined distance.

(Compl. Specn. 21 Pages. Drg. 2 Sheets.)

CLASS 107 K&G. 151114.

Int. Cl. F 01 b 31/00.

AN APPARATUS TO PREVENT VALVE BRIDGE CRACKS IN THE CAST IRON CYLINDER HEAD OF COMBUSTION ENGINES.

Applicants : MASCHINENFABRIK AUGSBURG-NURNBERG AKTIENGESELLSCHAFT, OF KATZWANGER STRASSE 101, D 8500 NURNBERG, FEDERAL REPUBLIC OF GERMANY.

Inventor : DIPL. ING. MAX ALBERT.

Application No. 470/Cal/79 filed May 7, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). The Patent Office, Calcutta.

2 Claims.

An apparatus to prevent valve bridge cracks in the cast iron cylinder head of combustion engines having at least one inlet and one outlet valves characterised in that a circular ring (3) is shrunk on the cylinder head (1) concentrically to the axis of an appertaining cylinder and due to that the stretched level comes to lie in a level parallel to the combustion chamber surface of the cylinder head (1) and immediately below the said level.

(Compl. Specn. 6 Pages. Drg. 2 Sheets.)

CLASS $32F_2(b)$ & $55E_4$. 151115.

Int. Cl. A 61 K 21/00; C 07 f 97/00.

PROCESS FOR THE MANUFACTURE OF CEPHALOSPORIN DERIVATIVES.

Applicants : F. HOFFMANN-LA ROCHE & CO. AKTIENGESELLSCHAFT, OF 124-184 GRENZACHERSTRASSE, BASLE, SWITZERLAND.

Inventor : MARC MONTAVON.

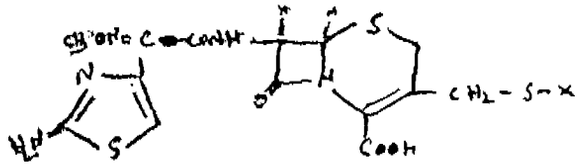
Application No. 517/Cal/79 filed May 18, 1979.

Complete Specification left 18th August, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). The Patent Office, Calcutta.

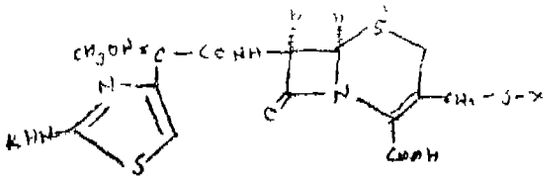
6 Claims.

A process for the manufacture of cephalosporin derivatives of the general formula I



Formula I

in which X represents the 1, 2, 5, 6-tetrahydro-2-methyl-5, 6-dioxo-as-triazin-3-yl group, the 2, 5-dihydro-6-hydroxy-2-methyl-5-oxo-triazin-3-yl group or the 1, 4, 5, 6-tetrahydro-4-methyl-5, 6-dioxo-as-triazin-3-yl group, as well as any one of the salts of these compounds such as herein described or the hydrates of the compounds of formula I and of their salts such as herein described, which process comprises cleaving off the protecting group R (and if desired, also a carboxy protecting group which may be present) in a compound of the general formula II



Formula II

wherein X has the significance given above, R represents a cleavable protecting group known in cephalosporin chemistry and the carboxy group can be present in protected form, by treatment of said compound of formula II with an acidic or alkaline agent such as herein described in an aqueous or non-aqueous solvent, in which case, where R is chloroacetyl, bromoacetyl or iodoacetyl, the treatment is carried out by the addition of thiourea in an aqueous or non-aqueous solvent in acidic, neutral or alkaline milieu, where required, the compound of formula I obtained is converted into a salt by treatment with a base or into a corresponding hydrate and its salt by subjecting it to the influence of water.

(Compl. Specn. 66 Pages. Drg. 2 Sheets.)

CLASS 48A4. 151116.

Int. Cl. H 02 g 1/12.

TOOL SUITABLE FOR CUTTING THE CYLINDRICAL OUTER SURFACE OF AN ELONGATE CYLINDRICAL MEMBER.

Applicants : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH WEST GERMANY.

Inventor : HANS-JOACHIM WALIGORA.

Application No. 625/Cal/79 filed June 16, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). The Patent Office, Calcutta.

16 Claims.

A tool suitable for cutting the cylindrical outer surface of an elongate cylindrical member, comprising : a guide which is adapted to be applied to said member and which comprises a band to engage at least partially around said surface; and a blade secured to said band for cutting said surface when the guide is applied to said member and the tool is moved relative to said surface, the band being adjustable to accommodate elongate cylindrical members of different diameters.

(Compl. Specn. 12 Pages. Drg. 2 Sheets.)

CLASS 139A. 151117.

Int. Cl. C 01 b 31/08.

PROCESS FOR THE PRODUCTION OF ACTIVATED CARBON.

Applicants : PETI NITROGENMUVEK, OF VARPALOTA, HUNGARY.

Inventors : (1) SANDOR BERKES, (2) MRS. JANOS JESZTL (3) BELA SZEMES, (4) GYULA KINCSES, (5) ISTVAN VIG, (6) GABOR HODOSSY, (7) DR. LAJOS GYORGY NAGY, (8) DR. LASZLO NOSZKO, (9) MRS. DR. ISTVAN LAKATOS, (10) DR. GABOR NEMESHEGYI, (11) MRS. ANTAL SIMAI, (12) DR. GABOR TOROK, AND (13) DR. GYORGY FOTI.

Application No. 723/Cal/79 filed July 13, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). The Patent Office, Calcutta.

3 Claims. No drawing.

A process for the production of activated carbon from a waste material obtained by acidic hydrolysis of a vegetable material and being optionally moist by carbonization and activation with at least one of the activating agents steam, carbon dioxide and flue gas, whereas one activating agent dosed alternately, characterized by using as partially hydrolyzed waste material a waste material autocatalytically hydrolyzed with an organic acid, further by heating the waste material in an indirect or direct manner between 150 and 400°C at a heating-up rate of 10 to 40°C/min, between 400 and 600°C at a heating-up rate of 15 to 30°C/min, and by heat-treating the material at a temperature of 500 to 600°C for a period not exceeding 30 minutes, and finally by activating it with a residence time not exceeding 30 minutes at a temperature of between 800—1000°C.

(Compl. Specn. 18 Pages. Drg. Nil.)

CLASS 25C. 151118.

Int. Cl. C 04 b 35/48.

PROCESS OF MAKING COMPOSITE REFRACTORY ZIRCON BRICKS.

Applicants : ORISSA CEMENT LIMITED, OF RAJGANGPUR, DIST. SUNDARGARH, ORISSA, INDIA.

Inventors : RAMA KANT SHARMA, DR. SHYAM LAXMAN KOLHATKAR AND TAPAN MUKHOPADHYAY.

Application No. 844/Cal/79 filed August 16, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). The Patent Office, Calcutta.

3 Claims. No drawing.

A process of making composite zircon refractory brick which comprises the steps of—(a) preparing a non-heat insulation composition consisting of zircon refractory aggregates by intimately mixing the said aggregates, (b) preparing a heat insulation composition consisting of zircon refractory aggregates containing pore-forming agent as herein described by intimately mixing the said aggregates with the said pore-forming agent, (c) placing the layer of composition (b) over the layer of composition (a) in a mould box and moulding the two layers together into the shape of a brick of composite structure, and (d) firing the composite shaped bricks at a temperature of 1300° to 1550°C.

(Compl. Specn. 5 Pages. Drg. Nil.)

CLASS 25C 151119.

Int. Cl. C 04 b 35/48.

PROCESS OF MAKING COMPOSITE BASIC REFRACTORY BRICKS.

Applicants : ORISSA CEMENT LIMITED, OF RAJGANGPUR, DIST. SUNDARGARH, ORISSA, INDIA.

Inventors : RAMA KANT SHARMA, DR. SHYAM LAXMAN KOLHATJAR AND TAPAN MUKHOPADHYAY.

Application No. 845/Cal/79 filed August 16, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). The Patent Office, Calcutta.

4 Claims. No drawing.

A process of making composite basic refractory bricks which comprises the steps of—(a) preparing a non-heat insulation composition consisting of basic refractory aggregates by intimately mixing the said aggregates, (b) preparing heat insulation consisting of basic refractory aggregates consisting pore-forming agent as herein described by intimately mixing the said aggregates with the said pore-forming agent, (c) placing the layer of composition (b) over the layer of composition (a) in a mould box and moulding the two layers together into the shape of a brick of composite structure, (d) firing the composite shaped brick at a temperature of 1300° to 1550°C.

(Compl. Specn. 6 Pages. Drg. Nil.)

CLASS 68E$_n$. 151120.

Int. Cl. G 05 f 1/20.

VAR GENERATORS.

Applicants : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY, CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : JOHN ROSA AND LASZLO GYUGYI.

Application No. 872/Cal/79 filed August 22, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

8 Claims.

A var generator for the purpose of supplying reactive power thereto, comprising control means inter-connected with electrical system for determining the amount of reactive power that is to be provided to said electrical system during a given period of time and for providing an output signal related thereto, and switch controlled inductive means connected to said control means to receive said output signal therefrom and connected to said electrical system for delivering said reactive power thereto as a function of a control means determined conduction interval during said given period of time, said inductive means having a first value of inductance for values of reactive current conducted therethrough which are equal to or less than predetermined amount, said inductive means having a second value of inductance for values of reactive current conducted therethrough which are greater than said predetermined amount, said reactive power being related to said reactive current, the amount of reactive power thus delivered to said electrical system for a given conduction interval being dependent upon whether said reactive current exceeds said predetermined amount or not during said given conduction interval.

(Compl. Specn. 12 Pages. Drg. 3 Sheets.)

CLASS 157D$_6$(b). 151121.

Int. Cl. E 01 b 27/00.

IMPROVED TRACK BUILDING MACHINE FOR DISTRIBUTING AND PROFILING THE BEDDING BALLAST OF A RAILWAY TRACK.

Applicants : FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIEGESELLSCHAFT M.B.H. OF JOHANNESGASSE 3, VIENNA 1, AUSTRIA.

Inventor : ING. JOSEF THEURER.

Application No. 1057/Cal/79 filed October 10, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

9 Claims.

A track building machine for distributing and profiling the bedding balllast of a railway track, comprising a plough arrangement which is mounted on a chassis for vertical adjustment through a drive, particularly a hydraulic drive, and which comprises at least one substantially V-shaped centre plough consisting of plough plates respectively spanning one of the two rails and of ballast guide plates which are arranged in the central region between the rails and which are adjustable relative to said plough plates, characterised in that the ballast guide plates are mounted for separate vertical adjustment relative to the plough plates of the centre plough and are connected to an additional vertical adjustment drive for separate or common vertical adjustment relative to the plough plates.

(Compl. Specn. 16 Pages. Drg. 2 Sheets.)

CLASS 24D$_{10}$. 151122.

Int. Cl. B 60 t 15/00.

A PROTECTION VALVE FOR FLUID OPERATED SYSTEMS.

Applicants : CLAYTON DEWANDRE COMPANY LIMITED, P.O. BOX 9, TITANIC WORKS, LINCOLN, LN5 7JL, ENGLAND.

Inventors : ROBERT GEORGE BAINES AND RALPH COUPLAND.

Application No. 483/Cal/80 filed April 25, 1980.

Convention date 25th April, 1979 (14480/79) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

5 Claims.

A protection valve for fluid operated systems, having two or more valve elements each of which opens against a bias to admit fluid under pressure to an associated fluid operated system and comprises a plunger biased toward a position wherein it closes off an outlet part for connection to the associated system, and carrying a non-return valve which is movable relative to the plunger such that communication between a bleedhole through the non-return valve, and the outlet part associated with the valve element is cut-off below the closing pressure of the valve element.

(Compl. Specn. 10 Pages. Drg. 2 Sheets.)

CLASS 76B. 151123.

Int. Cl. B 42 f 1/00.

DEVICE FOR SELF GRIPPING AND HOLDING OF PAPER OR THE LIKE SHEET MATERIAL.

Applicant & Inventor : VARSHA MAHENDRAKUMAR TRIVEDI, OF 8, CAMAC STREET, CALCUTTA-700 017, WEST BENGAL INDIA.

Application No. 866/Cal/80 filed July 29, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

7 Claims.

A device for self-gripping and holding of paper or like sheet material comprising a chamber with a base plate, back plate, top and front plates and end retaining members, characterised in that the front plate is disposed spacedly from the base plate to define a longitudinal slit with respect to the base plate for access of paper or like sheet material therethrough and a plurality of freely movable elements confined within the chamber to preferably fill the entire or substantially the entire space between said end retaining members to define a row of said freely movable elements at the back of said slit.

(Compl. Specn. 7 Pages. Drg. 1 Sheet.)

CLASS 174B. 151124.

Int. Cl. F 16 f 1/36.

A METHOD OF MAKING POLYESTER ELASTOMER COMPRESSION SPRING.

Applicants : MINER ENTERPRISES, INC., OF 1200 EAST STATE STREET, GENEVA, ILLINOIS 60134 USA.

Inventor : DAVID GEORGE ANDERSON.

Application No. 1079/Cal/78 filed September 30, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

15 Claims.

A method of making a polyester elastomer compression spring from a block of a copolyester polymer elastomer of a given axial length comprising the steps of : applying to said block and axial force sufficient to compress said block an extent greater than about thirty per cent of said given axial length; and removing said axial force from said block, such that the said spring when subsequently put into services as such will not suffer significant permanent deformation although a particular force is applied axially thereto which force is capable of compressing the spring by an amount greater than that which would normally result in a permanent deformation of its axial length.

(Compl. Specn. 17 Pages. Drg. 4 Sheets.)

CLASS 157Ds. 151125.

Int. Cl. E 01 b 29/02.

IMPROVEMENTS IN OR RELATING TO TRAVELLING TRACK-TAMPING MACHINE.

Applicants : FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIEGESELLSCHAFT M.B.H. OF JOHANNESGASSE 3, VIENNA 1, AUSTRIA.

Inventor : ING. JOSEF THEURER.

Application No. 114/Cal/79 filed February 6, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

12 Claims.

A travelilng track-tamping machine comprising a unit for lifting and/or laterally lining the track, particularly in the region of switches, crossings or the like, which has a tool frame connected to the hydraulic lifting and lining drives to be moved transversely to the axis of the track and perpendicularly of the plane of the track, and for travelling along the track, comprises flanged wheels serving as lining rollers and is provided with a lifting tool, particularly a lifting hook, which is arranged on the other side of the rail opposite the flanged wheel and which is adjustable by means of power-operated drives foe engagement below the rail head or base characterised in that each of the lifting hooks designed for application to the outside of the rail and between two flanged wheels applied to the inside of the rail is mounted on the machine frame to pivot about a pin extending substantially parallel to the longitudinal axis of the machine in a plane extending transversely of the axis of the track and perpendicularly of the plane of the track for a substantially vertical working and in-feed movement at its hook end, and is designed for an additional movement relative to the flanged wheel at least at its hook end facing the switch, to enable it to engage the rail head or base or even a rail or guide of the branch line.

(Compl. Specn. 16 Pages. Drg. 1 Sheet.)

CLASS 133A. 151126.

Int. Cl. H 03 b 3/06.

A DEVICE FOR MONITORING ANGULAR POSITION SUCH AS IN A NUMERICAL CONTROL SYSTEM FOR A MACHINE TOOL.

Applicants : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : JOSEF ROHRLE AND GUNTER BROMER.

Application No. 131/Cal/79 filed February 13, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

8 Claims.

A device for monitoring angular position such as in a numerical control system for a machine tool, which device includes : (a) a rotor winding; (b) at least two stator windings; (c) a voltage generator comprising digital dividing stages for generating alternating voltages which are out of phase with respect to each other from a clock frequency and for applying these alternating voltages each to a respective one of the stator windings, thereby inducing an alternating voltage in the rotor winding whose phase is indicative of the angular position of the rotor; and (d) means for storing a digital value dependent on the instantaneous voltages applied to the stator windings at each zero-axis crossing of the voltage induced in the rotor winding, said digital value thus also being indicative or the angular position of the rotor.

(Compl. Specn. 9 Pages. Drg. 2 Sheets.)

CLASS 40F & 139A. 151127.

Int. Cl. C 10 b 57/00.

A PROCESS FOR MAKING HARD GRANULAR ACTIVATED CARBON.

Applicants : KENNECOTT CORPORATION, OF 10 STAMFORD FORUM, STAMFORD, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : HARI NARASIMHA MURTY.

Application No. 192/Cal/79 filed March 2, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

15 Claims.

A process for making hand granular activated carbon having a minimum abrasion of 70 and comprising : forming granules from sub-bituminous coal; treating the granules with a dilute aqueous solution of inorganic acid, at a concentration from 1 to 25% by weight, said treatment comprising : mixing the granules with the acid, and drying the granules to a moisture content below 25% by weight; mixing the treated granules with 0 to 15% by weight of carbonaceous binder; reducing the treated granules to form fine powder; compressing the

powder to form shapes; reducing the shapes to reform granules; and thereafter directly activating as hereinbefore defined the reformed granules, without charging and devolatilizing, by directly heating to and at a temperature higher than the devolatilizing temperature in an atmosphere containing a gaseous activating agent.

(Compl. Specn. 34 Pages. Drg. 1 Sheet.)

CLASS 129J. 151128.

Int. Cl. B 21 b 1/22; 3/00.

PROCESS FOR PRODUCING A GRAIN-ORIENTED SILICON STEEL SHEET FROM SILICON STEEL SLAB.

Applicants : NIPPON STEEL CORPORATION, OF NO. 6-3, 2-CHOME, OTEMACHI, CHIYODAKU, TOKYO, JAPAN.

Inventors : FUMIO MATSUMOTO, JIROU HARASE, KUNIHIDE TAKASHIMA, AND HISANOBU NAKAYAMA.

Application No. 215/Cal/79 filed March 7, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

6 Claims.

A process for producing a grain-oriented silicon steel sheet which comprises; continuously casting a silicon steel slab containing 2.0 to 4.0% by weight of silicon, up to 0.085% by weight of carbon, at least one conventional inhibitor and unavoidable impurities, heating the cast slab to a temperature of at least 1300°C to dissolve said inhibitors, hot rolling the resultant heat-treated slab into a sheet, said hot rolling comprising at least one recrystaliization rolling with a reduction rate of at least 30% per pass in a temperature range of from 960 to 1190°C, and subjecting said sheet to annealing and cold rolling to produce a grain-oriented silicon steel sheet.

(Compl. Specn. 23 Pages. Drg. 6 Sheets.)

CLASS 9F, 12C & 33D. 151129.

Int. Cl. B 22 d 25/00; 27/00.

A METHOD OF FORMING A WEAR RESISTANT CAST IRON.

Applicants : STANDARD CAR TRUCK COMPANY, OF 332 SOUTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60604, U.S.A.

Inventors : ROBERT P. GEYER, KENNETH F. VEASMAN, AND VILAKKUDI G. VEERARAGHAVAN.

Application No. 239/Cal/79 filed March 12, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

5 Claims.

A method of forming a wear resistant cast iron for use in railroad car trucks and other applications requiring a cast iron possessing enhanced properties of tensile strength and resistance to impact and wear, said cast iron having an "as cast" acicular microtructure substantially free of Pearlite and carbide and consisting essentially of the following composition, before the addition of inoculant such as hereinbefore described;

Element	*Percent by weight*
Carbon	3.00-3.30
Silicon	1.20-1.50
Manganese	0.85-1.00
Molybdenum	0.80-0.90
Copper	1.40-1.60
Iron (plus minor sulphur and phosphorous elements)	Balance

said process being characterized in that the metal is tapped into the ladle at a temperature in the range of 2600—2650°F. and is dumped from its sand mold at a temperature above 1250°F.

(Compl. Specn. 10 Pages. Drg. 1 Sheet.)

CLASS 80F. 151130.

Int. Cl. B 01 d 33/08.

IN A ROTARY VACUUM FILTER IMPROVED MEANS FOR EFFECTING WASHING OF THE FILTER CLOTH.

Applicants : ENVIROTECH CORPORATION, OF 669 WEST SECOND SOUTH, SALT LAKE CITY, UTAH, U.S.A.

Inventor : WILLI AUGUST WEGENER.

Application No. 256/Cal/79 filed March 15, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

5 Claims.

In a rotary vacuum filter improved means for effecting washing of filter cloth comprising a drum formed as a cylinder equiped with trunions on opposite ends and adapted to rotate in a tank so that successive portions thereof rotate into and out of submergence in said tank, a filter cloth which is secured to overlie a drainage deck on the surface of a filter member iournaled for rotation through a slurry in a tank, cake is formed as successive sectors of the filter are rotated into and out of submergence in the tank while vacucam is applied to the inside of the filter medium through a valve; and vacuum is released to effect cake discharge after emergence from said slurry, wherein said improved means comprise means associated with said valve for application of vacuum to each sector as it starts to submerge in the tank and for continuing said vacuum until the sector and associated piping connecting it to the valve are substantially full of filtrate, means operative while said sector remains submerged to discontinue vacuum application, means for applying pressure to said piping to force a selected volume of said filtrate back through said piping and cloth into said tank, and means to immediately reapply vacuum to the surface of said sector to reform a filter cake thereon while drawing filtrate therethrough.

(Compl. Specn. 14 Pages. Drg. 2 Sheets.)

CLASS $32A_1$, $32F_2(b)$, & $62C_1$. 151131.

Int. Cl. C 09 b 29/32; 39/00.

PROCESS FOR THE MANUFACTURE OF WATER-SOLUBLE MONOAZO DYESTUFFS CONTAINING A BENZOTHIAZOLE NUCLEUS.

Applicants —CASSELLA AKTIENGESELLSCHAFT, OF HANAUER LANDSTRASSE 526, 6000 FRANKFURT (MAIN)-FECHENHEIM, WEST GERMANY.

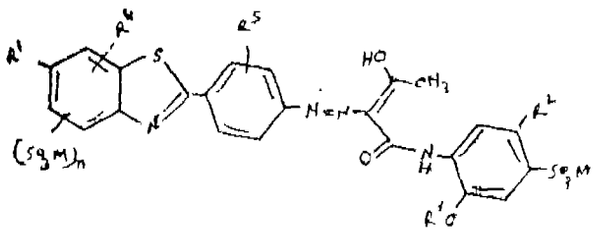
Inventors : WOLFGANG BAUER, AND JOACHIM RIBKA.

Application No. 279/Cal/79 filed March 22, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

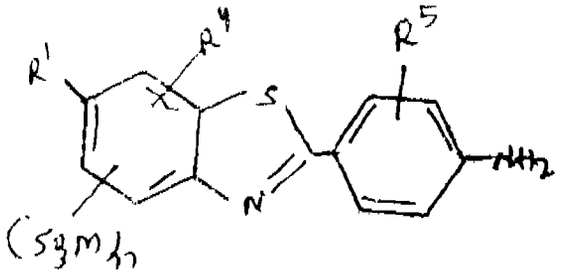
6 Claims.

A process for the manufacture of the water-solublle monoazo dyestuff of the formula I or a tantomeric form thereof



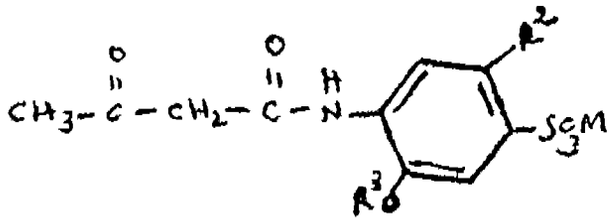
Formula I

wherein R^1 is methyl, ethyl or 6-methyl-7-sulphobenzthiazol-2-yl, R^3 is methyl, methoxy or ethyl or ethyl, R^4 and R^5 may be the same or different and are hydrogen, methyl or ethyl, M is hydrogen, alkali metal or ammonium and n is 0 or 1, said process comprising diazotizing an amine of the formula II



Formula II

wherein R^1, R^4, R^5 M and n are as defined above, in a manner which is in itself known and coupling the diazotized amino with a coupling component of formula III



Formula III

wherein R^2, R^3 and M are as defined above in an aqueous medium at tempeature between —10 and +50°C and at a pH value between 2 to 12

(Compl. Specn. 19 Pages. Drg. 2 Sheets.)

CLASS-170D. 151132.

Int. Cl. C. 11 d 9/00, /922, 9/44, 11/00.

LOW IRRITATING DETERGENT AND CLEANSING COMPOSITION.

Applicants : JOHNSON & JOHNSON, OF 501 GEORGE STREET, NEW BRUNSWICK, NEW JERSEY, UNITED STATES OF AMERICA.

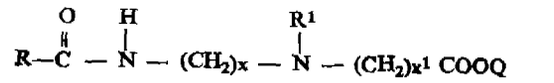
Inventors : MARTIN LINDEMANN AND ROBERT VERDICCHIO.

Application No. 440/Cal/79 filed May 1, 1979.

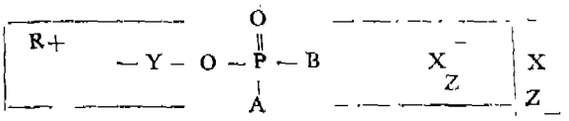
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Calcutta.

8 Claims.

A low irritating detergent an dcleansing composition comprising synnergistic mixture of the active ingredients in presence of other conventional components such as dyes, preservatives, perfumes, thickeners, opacitfiers, condition is emollients, buffering agents characterized in that said synergistic mixture of active ingredients consists of (a) from about 1 to 20% by weight of the total composition of an amphoteric surfactant of the formular



Wherein R is an alkyl group containing fom about 8 to 18 carbon atoms and mixtures thereof R^1 is hydroxy alkyl containing from 2 to 4 carbon atoms or CH_2-O-CH_2 -COOQ; x and x' are integers from 1 to 5 and Q is hydrogen or an alkali metal and (b) fom about 1 to 20% by weight of the total composition of a compound selected from the group consisting of a phosphobetaine of the formula



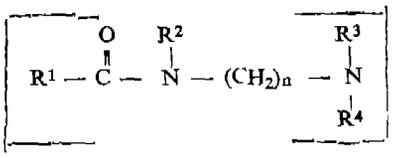
wherein A is selected from O^-, OM and -O-Y-R^1

B is selected from OX^-, and OM^1

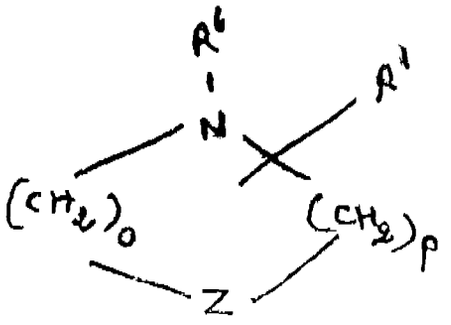
X^- is an anion

Z is an integer from to 2 with the proviso that only one of A and B can be O^- and Z is of a value necessary for charge balance;

R is an amidoamine reactant moiety of the formula

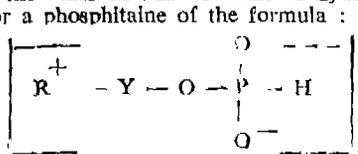


wherein R^1 is alkyl, alkenyl, alkoxy, or hydroxyalkyl of from 5 to 22 carbon atoms each, or aryl oralkaryl of up to 20 carbon atoms! R^2 is hydrogen or alkyl, hydroxyalkyl or alkenyl of up to 6 carbon atoms each or cycloalkly of up to 6 carbon atoms preferably of from 2 to 5 carbon atoms, or polyxyalkalene of up to 10 cabon atoms, R_3 and A_4, are the same or different and are selected from alkyl, hydroxyalkyl, carboxyalkyl of up to 6 carbon atoms in each alkyl moiety, and polyole-alkylene of up to 10 carbon atoms in addition, R_3 and R_4 taken together with the nitrogen to which they are attached, may represent an N-hetero-cycle, structure in which the Y radical is bonded to a ring atom of said N-heterocycle other than the nitrogen of the R moiety n is an interger from 2 to 12; or R is an N-heterocyclic radical of the formula I



Formula I

wherein z is N, S or O; 0 is an integer from 0 to 3; p is an integer from 1 to 3; provided that the sum of 0 +p is from 3 to 4; R^1 is defined as before and is linked to a ring carbon atoms; and R_3 is alkyl of form 2 to 6 carbon atoms which may be substituted with a hydroxyl group at the terminal or a non-terminal carbon atom; Y is alkylene, optionally interrupted up by to 3 oxygen atoms; of upto 12 carbon atoms, which alkylene chain may optionally be substituted with loweralkyl, alkoxy, hydroxy or hydroxyalkyl, containing not more than 10 carbon atoms each: M and M^1 which may be the same or different, are (a) hydrogen, (b) an organic radical selected from alkyl or hydroxyalkyl of up to 6 carbon atoms, polyhydroxyalkyl of up to 10 carbon atoms, glyceryl, cycloalkyl of up to 6 carbon atoms, aryl or arylal kylar of up to 10 carbon atoms, or (c) a salt radical selected from alkali metals, alkaline carth metals, and mono-, di-, or tri ethanolamine provided that when either M or M' is an organic radical (2b) the other M and M' must be hydrogen or a salt radical (c) or a phosphitaine of the formula :



R and Y are as defined above; wherein the total of (a) and (b) does not exceed about 35% by weight of the total composition and optionally (c) 1 to 4% by weight of the total composition of an anionic surfactant selected from the group consisting of alkyl sulfate, alkylether sulfate, alkylmonolyglyceryl ether sulfonate, alylmonoglyceride sulfates alkymonoglyceride sulfonate, alkyl sulfonate, alkylaryl sulfonate, alkyl sulfosuccinate, alkyl sarcosmate, acyl isothinsolnate, alkyl methyl tauride, fatty acid protein condensate and an alcohol ether carbovylate and wherein the amphoteric and phosphobetaine or phosphitaine are in the weight ratio of from 1 : 4 to 4 : 1.

(Compl. Specn. 27 Pages. Drg. 1 Sheet.)

CLASS-32F$_2$(n) & 32F$_3$(n): 151133.

Int. Cl. C 07 C 101/00.

PROCESS FOR PREPARING NOVEL BETAINE DERIVATIVES.

Applicants : JOHNSON & JOHNSON, OF 501 GEORGE STREET, NEW BRUNSWICK, NEW JERSEY, UNITED STATES OF AMERICA, AND MONA INDUSTRIES, INC, OF 65 EAST 23RD STREET, PATERSON, NEW JERSEY, U.S.A.

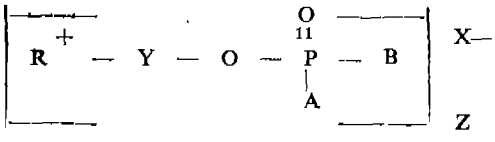
Inventors : MARTIN LINDEMANN, RAYMOND MAYHEW, ANTHONY OLENICK, JR., AND ROBERT VERDIGCHIO.

Application No. 442/Cal/79 filed May 1, 1979.

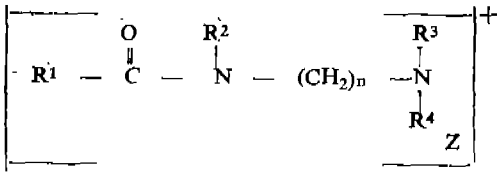
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Calcutta.

15 Claims.

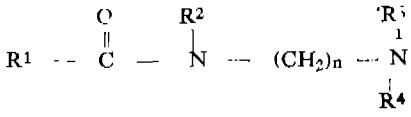
A process for preparing a compound having the formula I



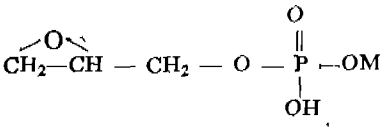
wherein A is selected from O-, OM, and -O-Y-R-+, B is selected from O- and OM', X- is an anion Z is an integer from 0 to 2 with the proviso that only one of -A† and B can be O- and Z is of a value necessary for charge balance; R† is an amidoamine reactant moiety of the formula A



wherein R^1 is alkyl, alkenyl, alkoxy, or hydroxyalkyl of from 5 to 22 carbon atoms each, or aryl or alkaryl of up to 26 carbon atoms, R^2 is hydrogen or alkyl, hydroxyalkyl or alkenyl of up to 6 carbon atoms each or cycloalkyl of up to 6 carbon atoms, preferably of from 2 to 5 carbon atoms, or polyoxyalkalene of up to 10 carbon atoms, R^3 and R^4 which may be the same or different, are selected from alkyl hydroxyalkyl, carboxyalkyl of up to 6 carbon atoms in each alkyl moiety, and polyoxyalkylene of up to 10 carbon atoms; in addition R^3 and R^4 taken together with the nitrogen to which they are attached, may represent an N-heterocycle, e.g., a morpholino structure, in which the Y radical is bonded to a ring atom of said N-heterocycle other than the nitrogen of the R moiety; n is an integer from 2 to 12; wherein Y is alkylene, optionally interrupted by up to 3 oxygen atoms, or up to 12 carbon atoms, which alkylene chain may optionally be substituted with lower alkyl, alkoxy, hydroxy or hydroxyalkyl, e.g. of not moe than 10 carbon atoms, each; M and M', which may be the same or different, are (a) Hydrogen, (b) an organic radical selected from alkyl or hydroxyalkyl of up to 6 carbon atoms, polyhydroxyalkyl of up to 10 carbon atoms, glyceryl, cycloalkyl of up to 10 carbon atoms, or (c) a salt radical selected from alkali metals, alkaline earth metals, and mono-, di- or triethanolamide, provided that when either M or M' is an organic radical (b), the other M and M must be hydrogen or a salt radical (c), which comprises reacting a phosphate ester of the general formula 'C'



with an amine reactant of the formula 'D'



wherein the meanings of the substituents A, B and Y, R^1, R^2, R^3, R^4, R'' n, O, P, and Z, are as defined before.

(Compl. Specn. 57 Pages. Drg. 4 Sheets.)

CLASS-205B. 151134.

Int. Cl. B 60 C 25/00.

TIRE PRESS UNLOADER.

Applicants : NRM CORPORATION, OF 3200 GILCHRIST ROAD, P.O. BOX 6338, AKRON, OHIO 44312, UNITED STATES OF AMERICA.

Inventor : ANAND PAL SINGH.

Application No. 471/Cal/79, filed May 7, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Calcutta.

34 Claims.

An unloader for a tire curing press comprising a horizontally movable unloader frame, pivoting tire elevating and supporting platform means mounted on said unloader frame for vertical movement relative thereto, means thus to move said platform means, and means to keep said platform from pivoting during the initial upward movement hereof and to require said platform to pivot during the final vertical upward movement thereof, said means to require said platform to pivot comprising and obstruction on said unloader frame.

Compl. Specn. 15 Pages, Drg. 6 Sheets.)

CLASS-44. 151135.

Int. Cl. G 04 b 47/06.

IMPROVED WATCH COMBINED WITH A COMPASS TO LOCATE A DEFINITE GEOGARPHICAL POINT.

Applicant & Inventor : SAMI METNI, OF 44 BD D' ITALIE, MONTE CARLO, MONACO.

Application No. 489/Cal/79 filed May 11, 1979.

Convention date 2nd June 1978 (26275/78) U. K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Calcutta.

7 Claims.

An improved watch combined with a compass, said watch coprising a body having a compass mounted therein characterised by the provision of a ring surrounding the compass and rotatable relative to the body and the compass, said body and ring having markings, two of which markings can be brought into a predetermined relationship by rotation of the ring thereby setting the ring in a position relative to the body which is related to the relative positions of two geographical locations, and one of which markings is adapted to be aligned with the compass pointer by rotation of the watch thereby directing a fixed reference line on the watch towards one of said geographical locations from the other of said geographical locations.

(Compl. Specn. 7 Pages, Drg. 2 Sheets.)

CLASS-72C. 151136.

Int. Cl. C 06 C 5/00.

INSTANTANEOUS DETONATOR.

Applicants : DYNAMTT NOBEL AKTIENGESELLSCHAFT, OF TRONSDORF, BENZ, KOLIN, WEST GERMANY.

Inventors : DR. WOLFGANG HABBEL, DR. JOSEF PRIOR, DR. HANS SCHULTE, AND CHRISTOPH VOGES.

Application No. 671/Cal/79 filed June 30, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Calcutta.

4 Claims.

An instantaneous detonator having a detonator tube with a primary and secondary charge disposed therein, characterised in that a tubular-or annular insert (1) is placed in the detonator tube (7), the continuous axial recess of the insert having at one end a restriction (4) and in a zone adjacent the restriction (4), being formed as a charge chamber (2) containing a primary charge (5) facing a secondary charge (8), with at least the part of the insert (1) laterally surrounding the charge chamber (2) being thick walled.

(Compl. Specn. 9 Pages. Drg. 2 Sheets.)

CLASS-32F 2(5). & 55 E4. 151137.

Int. Cl. A 61 K 27/00; C 07 d 57/48.

PROCESS FOR THE PREPARATION OF THE OPHYLLINE DERIVATIVES.

Applicants : DEUTCHE GOLD-UND SILVER-SCHEIDEANSTALT VORMALS ROESSLER, OF WEISSFRAUENSTRASSE 9, 6000 FRANKFURT 1, FEDERAL REPUBLIC OF GERMANY.

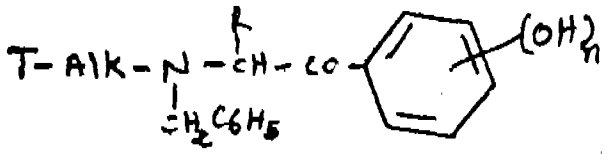
Inventors : DR. KARL HEINZ DLINGLER, FRANZ HITZEL, AND ERICH BICKEL.

Application No. 707/Cal/79 filed July 10, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Calcutta.

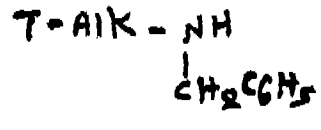
3 Claims.

Process for the preparation of the ophylline derivatives of the general formula I

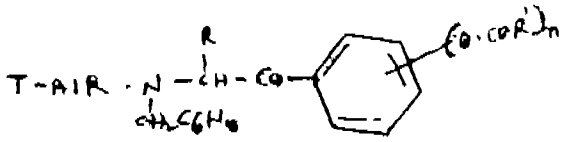


Formula I

where T represents the Theophyllinyl -(7)-radical Alk a straight - or branched Alkyl chain with 2 to 4 C-atoms, R hydrogen or a Methyl group, n = 1 or 2 and where two hydroxyl groups of the phenyl ring cannot stay in the 3, 4-position which comprises reacting an aminoalkyltheophyline of the fomula II whee T and Alk have the meaning given above, with a Bromoketone of the general formula III where R = hydrogen or a Methyl group, R' = an alkyl radical having 1 to 6 carbon atoms, n is the number 1 or 2 and where two -OOOR' - groups of the phenyl ring cannot stay in 3, 4-position, to obtain an intermediate compound of the general formula IV

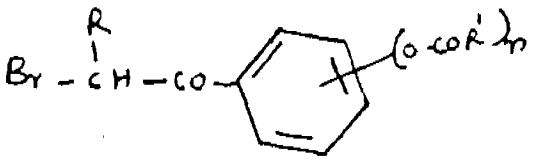


Formula II

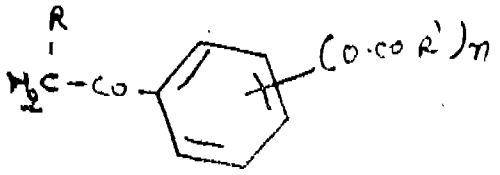


Formula IV

which is further subjected to hydrolytical splitting off of the protective group R'CO - characterized in that, said Bromoketone of fomula III used is dibromide free and s poduced by bomination of a Ketone of the general formula V



Formula III



Formula V

(wherein R, R' and n have the meanings given before) and the product thus obtained is made dibromide free by after treatment with a Trialkyl phosphite.

(Compl. Specn. 12 Pages. Drg. 1 Sheet).

CLASS-69B. 151138.

Int. Cl. H 01 h 83/00.

CIRCUIT INTERRUPTERS.

Applicants : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : JOSEPH RICHARD ROSTRON.

Application No. 716/Cal/79 filed July 11, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Calcutta.

15 Claims.

A circuit interrupter comprising a sealed enclosure for a dielectric medium under temperature and pressure conditions which provide for a dielectric liquid below a predetermind level in said enclosure and a dielectric gas above said dielectric liquid, a fixed contact and a moveable contact in said enclosure, said movable contact being arranged to cooperate within electrical contact with said fixed contact, a cylinder having associated with said enclousure a pump piston supported for movement in said cylinder, a flow passageway extending from said cylinder for directing fluid into vicinity of said fixed contact, a first check valve in said fluid passageway to permit unidirectional fluid flow from said cylinder to said fixed contact, refill passage means to permit fluid to enter said cylinder from a point inside said enclousure and below said level of dietectric fluid, and means to actuate said pump piston and said moveable contact to separate and reclose said contacts and to drive said pump piston in said cylinder, said piston forcing fluid through said fluid passageway upon contact separation and drawing fluid into said cylinder by way of said refill passage means upon contact reclosure.

(Compl. Specn. 16 Pages. Drg. 4 Sheets.)

CLASS-94G. 151139.

Int. Cl. B 24 C 11/00.

A METHOD OF MANUFACTURING A GRINDING PRODUCT SUCH AS A GRINDING WHEEL AND GRINDING PRODUCT THEREBY OBTAINED.

Applicants : UNICORN INDUSTRIES LIMITED, OF CASTLE HILL HOUSE, WINDSOR, BERKSHIRE SL4 1LY, ENGLAND.

Inventor : DEREK OBERSBY.

Application No. 734/Cal/79 filed July 17, 1979.

Convention date 17th July, 1978 (30117/78) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Calcutta.

7 Claims.

A method of manufacturing a grinding product such a grinding wheel in which the product is formed in the manner hereinbefore described and subsequently heat-treated for drying, vitrification or curing by microwave heating in the manner herein described.

(Compl. Specn. 16 Pages. Drg. 2 Sheets.)

CLASS-127C. 3 & 9. 151140.

Int. Cl. D 01 g 7/00, 9/00.

A DEVICE FOR OPENING OF SEVERAL TEXTILE FIBER BALES.

Applicants : TRUTZSCHLER GMBH & CO. KG., OF DUVENSTR. 82-92, D-4050 MONCHENGLADBACH 3, FEDERAL REPUBLIC OF GERMANY.

Inventor : FERDINAND LEIFELD.

Application No. 756/Cal/79 filed July 23, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Calcutta.

22 Claims.

An apparatus for opening textile fiber bales, including a bale opening arrangement adapted to travel parallel to the length of the apparatus along serially arranged fiber bales; the bale opening arrangement including a bale opening member having a plurality of opening elements for penetrating, in an opening zone, into the fiber material of the bales at an upper face thereof and a grate means formed of parallel spaced grate bars for engaging in an operative position of the grate means, the opening elements of the opening member projecting in between adjoining grate bars in the opening zone; wherein said grate bars, when viewed in the operative position, terminate in a free and in said opening zone.

(Compl. Specn. 15 Pages. Drg. 2 Sheets.)

CLASS-128E & 206 E. 151141.

Int. Cl. A 61 b 5/04.

ELECTROCARDIOSCOPE.

Applicants : HUGO SACHS ELEKTRONIK KG., OF AM BAHNHOF, D-7801 HUGSTETTEN-MARCH, WEST GERMANY.

Inventors : HEINZ DEHNERT AND HERMANN STEIERT.

Application No. 1317/Cal/79 filed December 18, 1979.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

15 Claims.

An electrocardioscope comprising a plurality of input terminals adapted to receive cardiac signals representing the cardiac action of a patient, display means, and a control circuit disposed between said terminals and said display means for processing said cardiac signals to produce output signals which are coupled to said display means to produce a visual representation of said cardiac action, said control circuit comprising an input circuit connected across a pair of of said terminals for producing an input signal, a first pair ofdiaodes nals for producing an input signal, a first pair of diaodes connected in series with one another a second pair of diodes connected in series with one another and in parallel with said first pair of diodes, said first pair of diodes being poled oppositely to said second pair of diodes, means coupling said input signal across said parallel-connected pairs of diodes, first and second transistors connected to operate as a differential amplifier, capacitor means coupling the opposing ends of said parallel-connected diode pairs to like first electrodes of said first and second transistor respectively, means connecting the mid junction of said first pair of diodes to the mid-junction of said second pair of diodes, further capacitor means coupling the inter-connected mid-junction of said pairs of diodes to like second electrodes of said first and second transistors, a pair of oppositely poled zener diodes connected in series with one another between the interconnected mid-junctions of said diode pairs and a point of reference potential, and output means coupling the output of said differential amplifier to said display means.

(Compl. Specn. 21 Pages. Drg. 4 Sheets.)

CLASS-129 G. 151142.

Int. Cl. B 23 K 7/08.

METHOD AND APPARATUS FOR POWDER SCARFING OF METAL.

Applicants : NAUCHNO-ISSLEDOVATELSKY INSTITUT-METLLURGII, OF CHELYABINSK, ULTSA 2 PAVELETSKAYA, 18, USSR.

Inventors : (1) ARTUR LVOVICH DAIKER, (2) ANATOLY INVANOVICH VEIS, (3) EVGENY YAKOVLEVICH KOCHENGIN (4) NIKOLAI MIKHAILOVICH NOVOSELOV, (5) GENNADY YAKOVLEVICH MOROZOV, (6) VLADIMIR SEMENOVICH RYBIN, (7) NIKOLAI ANANDREEVICH BELOKUR AND (8) NINA ALEXANDROVNA SAVELIEVA.

Application No. 170/Cal/80 filed February 14, 1980.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Calcutta.

3 Claims.

An apparatus for powder scarfing of metal comprising a body formed with ducts for supplying combustible gas, oxygen and flux, said bodymounting a separating chamber fitted with a cover having a gas outlet, the bottom part of the separating chamber being formed with a flux outlet opening, and the body wall, adjoining the separating chamber, having a tapered projection spaced opposite the flux outlet opening, and wherein a cavity, formed by the tapered projection and the body walls is brought in communication with the flux supplying ducts having their outlet openings spaced between the outlet openings of the combustible gas, and oxygen supplying ducts.

(Compl. Specn. 15 Pages. Drg. 2 Sheets.)

CLASS-145D. 151143.

Int. Cl. D 21 j 9/02.

PAPER MAKING MACHINE WITH MEANS FACILITATING STRINGING.

Applicants : BELOIT CORPORATION, OF BELOIT, WISCONSIN 53511, U. S. A.

Inventor : BORGEIR SKAUGEN.

Application No. 674/Cal/80 filed June 6, 1980.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Calcutta.

9 Claims.

In a papermaking machine including a frame elevated above a floor and having a front side and a rear side and carrying forming means for supporting a facing forming run of an endless porous fabric forming belt which has return run about said frame and substantially fixed supporting means between said floor and said rear side of said frame : removable means supporting said front side of said frame on said floor; lever beam means for facilitating stringing of said forming belt into operative position with respect to said frame : said lever beam means arranged to extend transversely under said frame after removal from an inactive or storage position; and fulcrum means for supporting said lever beam means under said frame substantially spaced from said from side of said frame extended into a position under and projecting outwardly beyond said front side of said frame for upward movement about said fulcrum for supporting said front side of the frame with sufficient lift to permit removal of said removable supporting means to clear a lateral passage for said lower run of said forming belt when stringing the belt into said operative position.

(Compl. Specn. 13 Pages. Drg. 2 Sheets.)

CLASS-70C$_4$. 151144.

Int. Cl. C 23 b 5/30.

PROCESS FOR RECOVERING VANADIUM, MOLYBDENUM AND GALLIUM FROM ALUMINA FACTORY ALUMINATE LIQUORS.

Applicants : MAGYAR ALUMINIUMIPART TROSZT, OF P.O.B. 30, BUDAPEST 1387, HUNGARY.

Inventors : GABOR SINKA, DR. MIHALY MISKEI, FERENC TOTH, LASZLO REVESZ AND MIKLOS SCHLEGEL.

Application No. 725/Cal/80 filed June 24, 1980.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Calcutta.

1 Claim No drawing.

Process for recovering vanadium molybdenum and gellium from alumina factory aluminate liquors characterized in accomplishing the recovering of said metals together, in one step by electrolyzing the aluminate liquor at a temperature exceedings 70°C with a current density of from 400 to 1200 A/M^2, the electrolysis being performed using a low-melting liquid alloy as herein described as a cathode and agitating said cathode mechanically.

(Compl. Specn. 7 Pages. Drg. Nil.)

CLASS-32F3(c) 151145.

Int. Cls. Co7c 39/00.

"A PROCESS FOR THE PREPARATION OF PHENOLIC TETRAPHENYLETHYLENSES."

Applicants : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.

Inventors : KAMBHAMPATI VENKATA BABAJI RAO, RAMAN NARAYANA IYER.

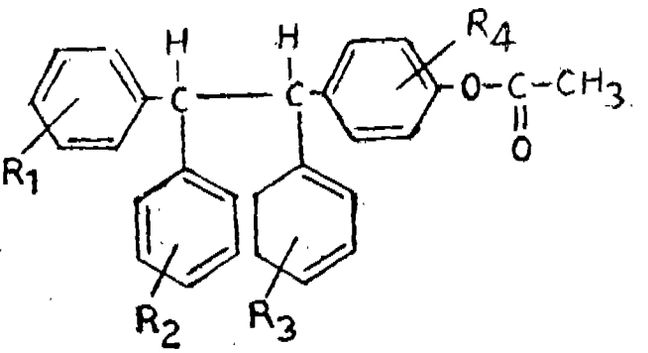
Application No. 640/DEL/78 filed on August 30, 1978.

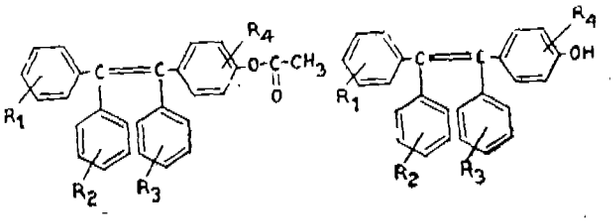
Complete specification left on 29 August, 1979.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Calcutta.

4 Claims.

A process for the preparation of phenolic tetraphenylethylenes of general formula IV comprising dehydrogenation of 4-acetyloxyphenyl triphenylethane of general formula II to obtain 4-acetyloxyphenyl ethylene of formula III followed by deacotylation of the product of formula III wherein R_1, R_2, R_3 and R_4 are same or different atoms of radicals like hydrogen, halogen or a methoxy group.





(Provisional Specification 4 Pages. Drawing 1 Sheet.)

(Complete Specification 4 Pages)

CLASS-32-F 2. b. 151146.

Int. Cl. C 07 d 39/00.

"PREPARATION OF NEW INDOLO (2, 3-a) QUINOLIZIDINES."

Applicants : SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS SCIENTIFIQUES (SCRAS) FORMERLY KNOWN AS SOCIETE CIVILE DE RECHERCHES & D'APPLICATIONS SCIENTIFIQUES (S. C. R. A. S.), A FRENCH COMPANY OF 264, RUE DU FAUBOURG, ST-HONORE, 75008 PARIS, FRANCE.

Inventor : ALAIN BEGUIN.

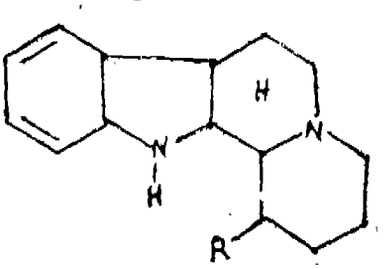
Application for Patent No. 851/Del/78 filed on 24th November, 1978.

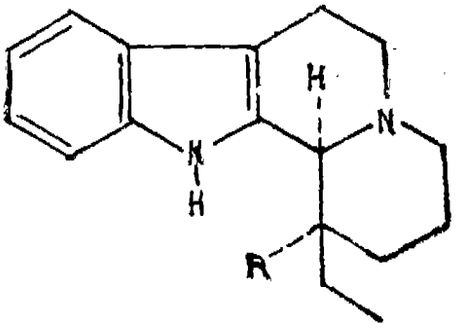
Convention date : 25th November, 1977 (49201/1977) Great Britain.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) the Patent Office, Delhi Branch.

2 Claims.

Process for the preparation of new indolo (2, 3-a) quinolizidine isomers of the general formulas I and II.





wherein R stands for -$COOC_2H_5$ or-CN which comprises condensing together 2-aminoethyl-3-indole and 1-chloro-4-(A)-4-chlorocarbonyl-hexane, wherein A stands for -$COOC_2H_5$ or -CN to form the corresponding amide; subjecting the amide to strongly basic conditions to eliminate HCL and effecting ring formation at the nitrogen atom on 3-indole substituent; effecting quinolizidine ring formation of the product by treating it with a conventional dehydrating agent followed by a perchlorate salt; hydrogenating the resulting quinonzidinium perchlorate to produce a mixture of the corresponding indolo (2, 3-a) quinolizidine insomers and separating in any conventional manner said isomers to produce the desired compounds.

(Complete Specification 31 Pages. Drawing 7 Sheets.)

CLASS-70 c & G. 151147.

Int. Cl. C 23 b - 9/02.

"ALUMINIUM ARTICLES HAVING AN ANODIC OXIDE COATING ON THEIR SURFACES AND METHOD OF MAKING SUCH ARTICLES."

Applicants : ALCAN RESEARCH AND DEVELOPMENT LIMITED , A COMPANY INCORPORATED UNDER THE LAWS OF CANADA, OF 1, PLACE VILLE MARIE, MONTREAL, QUEBEC, CANADA.

Inventors : PETER GEOFFREY SHEASBY, GRAHAM CHEETHAM, RAINER WILHELM MAX STUCKART AND TRUN KUMAR SEN GUPTA.

Application No. 012/Del/79 filed on 08 January 1979.

Convention date 17th January, 1978 (01875/78), U.K.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) the Patent Office Delhi Branch.

18 Claims.

An aluminium article of the kind such as herein described having an anodic oxide coating on its surface including a first porous oxide film having a thickness of at least 3 microns, the pores of said film having inorganic pigmentary material deposited therein, the average size of the said deposits at their outer ends, with reference to the aluminium/aluminium oxide interface, being at least 26 nm, the article being coloured by virtue of optical interference, wherein there is present a second oxide film formed between the inorganic pigmentary deposits and the aluminium/aluminium oxide interface.

(Complete Specification 48 Pages Drawing 1 Sheet)

CLASSES-68 E, 186 A & 206 E. 151148

Int. Cl. G 05 f - 1/08 & H 03 g - 3/20.

"VOLTAGE CONTROLLED ATTENUATOR."

Applicants : HARVEY ALAN RUBENS, A CITIZEN OF THE UNITED STATES OF AMERICA RESIDING AT 1207 NORTH ORANGE GROVE AVENUE, LOS ANGELES, CALIFORNIA 90046, UNITED STATES OF AMERICA AND, DAVID LEE BASKIND, A CITIZEN OF THE UNITED STATES OF AMERICA RESIDING AT 1201 NORTH ORANGE GROVE AVENUE, LOS ANGELES, CALIFORNIA 90046, UNITED STATES OF AMERICA.

Inventors : HARVEY ALAN RUBENS AND DAVID LEE BASKIND.

Application No. 017/Del/79 filed on 11th January, 1979.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) the Patent Office Delhi Branch.

7 Claims.

A voltage controlled attenuator, comprising two variable gain cells controlled by a single gain control voltage, an input circuit including an input signal source adapted to feed equal and out of phase components to two voltage-to-current converters, said converters in turn deeding signals in antiphase to the two variable gain cells, which signals are currents whose magnitudes are linearly proportional to the signal from said input source, two buffer amplifiers connected to the outputs of the variable gain cells respectively a differential output amplifier fed by the buffer amplifiers for generating an output signal, and a linearizer circuit connected to each buffer amplifier whereby each buffer amplifier is linearized by a current source for linear operations over a range of DC quiescent input operating conditions, thereby minimizing loading on the variable gain cells.

(Complete Specification 19 Pages Drawing 1 Sheet)

CLASS-39 C. 151149

Int. Cl. C 01 c - 1/02.

"APPARATUS AND METHOD OF HYDROGEN ENRICHMENT OF A PURGE GAS IN AMMONIA PRODUCTION PLAN."

Applicants : L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCESSES GEORGES CLAUDE, A FRENCH BODY CORPORATE, OF 75, QUAI D'ORSAY - 75007 PARIS (FRANCE).

Inventors : GERARD VANDENBUSSCHE, ALBERT HALFON, AND HERVE LE BIHAN.

Application No. 123/Del/79 filed on 20th February, 1979.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) the Patent Office Delhi Branch.

7 Claims.

A method of hydrogen enrichment of a purge gas in amonia production, where the purge gas contains, in addition to H_2 and N_2, impurities in high proportion such as argon, methane, ammonia and helium, the method which involves a preliminary ammonia extraction stage followed by fractional condensation in a heat exchanger to form at the cold end a hydrogen—enriched vapour phase and an argon and methane enriched liquid phase, said gas fraction and said expanded liquid fraction being passed through said heat exchanger and at least a substantial part of said hydrogen-enriched gas phase being recycled to the production process, the liquid phase being expanded to its vapourisation pressure in counterflow heat exchange with the cooling purge gas characterised in that said vapourised liquid phase is, during said thermal exchange, expanded to a second low pressure in an external work expansion turbine, before being reheated in counterflow heat exchange with the purge gas.

(Complete Specification 10 Pages. Drawing 1 Sheet.)

CLASSES-129 J & Q. 151150.

Int. Cl. B 23 k - 35/00.

"IMPROVEMENTS IN OR RELATING TO A METHOD OF MANUFACTURE OF Y-TYPE CONSUMABLE INSERT FOR ROOT PASS WELDING, THE INSERTS MANUFACTURED BY THE METHOD AND IN APPARATUS THEREFOR."

Applicants : BHARAT HEAVY ELECTRICALS LIMITED, 7TH FLOOR, ANSAL BHAVAN, 18-20 KASTURBA GANDHI MARG, NEW DELHI - 110001, CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF INDIA, HEREBY DECLARE.

Inventor : KRISHNASWAMI PADMANABAN.

Application No. 141/Del/79 file on 26th February, 1979.

Appropriate Office for Opposition proceedings (Rule 4, Patent Rules, 1972) the Patent Office Delhi Branch.

14 Claims.

A method of manufacturing consumable inserts for root pass welding as herein described of metallic articles comprising atleast partially rolling an electrode wire through a pair of rollers which have a gap formed between them by a projection in one roller and a groove on the other roller, the gap corresponding to the desired shape of the inserts, rerolling the partially rolled wire in one or more passes as required through similar pairs of rollers, cutting the fully rolled inserts to desired lengths and storing them in the form of strips or coiling them, and packing the same for storage.

(Compl. Specn. 12 Pages. Drg. 2 Sheet.)

CLASSES-117 B & 76 E. 151151.

Int. Cl. A 44 b - 15/00.

"RING FOR ATTACHMENT TO KEYS OR OTHER OBJECTS."

Applicant : ATTILIO BRENTINI, SWISS CITIZEN, OF "LE CHATEAU," CRISSIER, (VAUD, SWITERLAND).

Inventor : ATTILIO BRENTINI.

Application No. 142/Del/79 filed on 28th February, 1979.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) the Patent Office Delhi Branch.

8 Claims.

A ring for attachment to an article comprising two annular parts each having a gap therein, and each displaceable one in relation to the other, connection means adapted to retain in position one annular part against the other, each said gap being located on each of said annular part in such a way, that when said parts are retained one against the other, each said gap lies opposite a portion of the facing annular part to thereby provide a closed ring, said annular parts being made of molded plastic material and said connection means being located on each angular part.

(Compl. Specn. 6 Pages. Drawing 1 Sheet.)

CLASS-129 G. 151152.

Int. Cl. B 21 c - 43/00.

"IMPROVEMENTS IN OR RELATING TO A DEVICE FOR LAPPING AND/OR POLISHING METAL SURFACES."

Applicants : BHARAT HEAVY ELECTRICALS LIMITED, 7TH FLOOR, ANSAL BHAVAN, 16, KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA, AN INDIAN COMPANY.

Inventor : GANAPATY VENKATARAMAN.

Application No. 196/Del/79 filed on 26th March, 1979.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) the Patent Office Delhi Branch.

6 Claims.

A device for lapping and/or polishing metallic surfaces comprising a spindle having a stem and a mushroom shaped base, the upper end of the stem being adapted to be inserted into and gripped by the chuck of a pneumatically operated or compressed air motor, the lower face of the base having a central cavity and a annular piece of abrasive paper, cloth or leather secured thereto by an adhesive, and the said cavity having provided therein a wad of cotton or cloth which is held by one or more wires threaded through a number of holes leading from the curved upper surface of the base into the said cavity.

(Complete Specification 7 Pages Drawing 1 Sheet)

CLASSES-173 A & 45 A. 151153.

Int. Cl. B 05 b - 1/18.

"NON-DRIP TYPE SHOWER ROSE."

Applicant : KUL BHUSHAN LALL WADHWA, JOINT DIRECTOR STDS. (CARRIAGE-I), RESEARCH DESIGNS & STANDARDS ORGANISATION, MINISTRY OF RAILWAY, MANAK NAGAR, LUCKNOW-116 OLL, INDIA, AN INDIAN NATIONAL.

Inventor : KUL BHUSHAN LALL WADHWA.

Application No. 235/Del/79 filed on 11th April, 1979.

Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) the Patent Office Delhi Branch.

5 Claims.

A non-drip type shower rose having an inlet adapted to be connected to a water pipe, a discharge plate with a plurality of spaced orifices for the discharge of water therefrom characterized in the at least one opening is provided in the partial vacuum zone of the shower.

(Complete Specification 8 Pages Drawing 1 Sheet)

CLASS 32 F 3d. 151154.

Int. Cl. C07c 49/30.

"PROCESS FOR THE PREPARATION OF CYCLOHEXANONE AND APPARATUS FOR CARRYING OUT THE PROCESS."

Applicants : STAMICARBON B.V., A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF NETHERLANDS, OF GELEEN, THE NETHERLANDS.

Inventors : THEODORUS JOHANNES VAN DE MOND & HUBERTUS JOHANNES ALOYSIUS DELAHAYE.

Application No. 244/Del/79 filed April 16, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office Delhi Branch.

11 Claims.

Process for the preparation of cyclohexanone, in which benezene is hydrogenated into cyclohexane in a hydrogenation zone, the cyclohexane is oxidized in the liquid phase with a gas containing molecular oxygen to form a mixture containing cyclohexanol in an oxidation zone, the resulting cyclohexanol is dehydrogenated catalytically into cyclohexanone and hydrogen in a dehydrogenation zone, and cyclohexanone and unconverted cyclohexanol are separated off, characterized in that the remaining gas mixture, which substantially consists of hydrogen is washed with cyclohexane or benzene and then the gas is fed to the hydrogenation zone.

(Compl. Specn. 9 Pages. and Drawing 1 Sheet.)

CLASSES 50B, 127A, & 196B. 151155.

Int. Cl. F 28 c 1/00 & F 16d 13/22.

"A CLUTCHING AND DECLUTCHING DEVICE."

Applicant :: SULTAN SINGH JAIN, B-63 SHANTINAGAR, ROORKEE DISTRICT SAHARANPUR, UTTAR PRADESH, INDIA, INDIAN NATIONALITY.

Inventor : SULTAN SINGH JAIN.

Application No. 257/Del/79 filed on 23rd April, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office Delhi Branch.

1 Claim.

In an air cooler, the clutching and declutching device for connecting and disconnecting a water lifting pump with and from the axle of the fan's motor comprising a spring loaded rod, a grooved disc rigidly fixed on the said rod, a pin fixed on one end of said rod for disengagably engaging in a slit provided on said axle, a screw provided on the other end of the rod, a connector having a slot in which said screw is

engaged, the said connector being connectable to said pump a Y-shaped lever connected at its one end with the grooved disc, a knob connected to the other end of the lever by means of a flexible wire for moving the grooved disc from engaged position to disengaged position and vice versa, the said knob being mounted on a bracket and having a pin at its side opposite to the side where the flexible wire is connected, the said pin permitting more than half revolution of the knob and releasably keeping the knob in position.

(Compl. Specn. 7 Pages. Drg. 5 Sheets.)

CLASS 170A+B+D. 151156.

Int. Cl. 1/00+3/00.

A PROCESS FOR PREPARING A PARTICULATE ALKALINE DETERGENT COMPOSITION.

Applicant : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : 1. JOHANN ULRICH OESCH

2. HORST POESELT

3. ALAN DIGBY TOMLINSON

4. KURT WALZ.

Application No. 269/BOM/1979 filed September 28, 1979. Convention date U.K. 3rd Oct. 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Bombay Branch.

15 Claims.

A process for preparing a free flowing particulate alkaline detergent composition adapted for fabric washing, Comprising the steps of :

(i) Spray-drying an aqueous slurry containing a synthetic detergent active compound as herein described an alkali metal orthophosphate and optionally an alkali metal tripolyphosphate to form a base powder; and

(ii) post-dosing to the base powder formed in the above step, at east 2.5% by weight of an alkali metal tripolyphosphate in particulate form the proportions of components in step (i) are so chosen that the detergent composition thus formed contain at least 5% by weight of said synthetic detergent active material, at least 5% by weight of said alkali metal tripolyphosphate and at least 2% by weight of said alkali metal orthophosphate, the total amount of said alkali metal tripolyphosphate and said alkali metal tripolyphosphate and said alkali metal orthophosphe to being from 10% to 40% by weight, all percentages being based on the total weight of detergent composition.

(Compl. Specn. 19 Pages. No drawing.)

CLASS 14 D_2. 151157.

Int. Cl. B 01 K-3/12+H01m-11/00, 17/00.

Title : NON-AQUEOUS ELECTROCHEMICAL CELLS CONTAINING NOVEL ELECTROLYTE SALTS.

Applicants: DURACELL INTERNATIONAL INC. 3029, EAST WASHINGTON STREET, INDIANAPOLIS, INDIANA, UNITED STATES OF AMERICA.

Inventors : (1) ARABINDA NARAYAN DEY

(2) JOHN SHEA MILLER AND

(3) WILLIAM LEE BOWDON.

Application No. 309/BOM/1979 filed on November 7, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Bombay Branch.

6 Claims.

A non-aqueous electrochemical cell comprising an anode of one or more metals above hydrogen in the EMF series, a cathode depolarizer, and a dissolved electrolyte salt, characterised in that the electrolyte salt has the general formula $M(ZX_4)$ wherein 'M' is selected from the alkali and alkaline earth metals such as herein described, "Z" is selected from gallium and thallium, "X" is selected from chlorine, bromine, iodine, fluorine and combinations thereof, and "n" is 1 when "M" is an alkali metal and "n" is 2 when "M" is an alkaline earth metal.

(Compl. Specn. 10 Pages. Drg. Nil.)

CLASSES 128 G & 80 K. 151158.

Int. Cl. A 61 m 5/00.

"FILTER ASSEMBLY FOR INTRAVENOUS LIQUID ADMINISTRATION APPARATUS."

Applicants : PALL CORPORATION OF 30 SEA CLIFF AVENUE GLEN COVE, NEW YORK 11542, UNITED STATES OF AMERICA.

Inventor : DAVID JOHN ROSENBERG.

Application No. 461/Del/79 filed on 26th June, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) The Patent Office, Delhi Branch.

9 Claims.

A filter assembly for gravity-feed intravenous liquid administration, comprising a plastic filter housing in at least two generally rectilinearly shaped portions bonded together and defining a filter chamber therebetween; an inlet member located generally at a first corner of said housing and an outlet member located generally at a second corner of said housing diagonally opposite said first corner in fluid flow communication with the filter chamber, the inlet member being arranged to be oriented up when so installed for gravity feed of intravenous liquid from the supply, with the outlet member down; a liquid-permeable filter that is gas-impermeable when filled with liquid disposed in the filter chamber across the line of gravity-feed fluid flow through the chamber from the inlet member to the outlet member so that all through flow must pass through the filter, and extending vertically when the pointed member is oriented up; the chamber being divided into two vertically-extending portions, one upstream and one downstream of the filter; a vent in an uppermost portion of the housing when the pointed member is oriented up, in flow communication with the upstream portion of the filter chamber; and a liquid-impermeable gas permeable porous member extending vertically when the porous member is oriented up and disposed above the filter across the line of flow through the vent, so that all vent must pass through the porous member, the porous member passing to the vent flow gas rising to the top of the upstream portion of the filter chamber and restricting such flow to gas to which it is permeable; the inlet member being shaped for attachment to a supply of liquid for intravenous administration; and the outlet member being shaped for attachment to an intravenous liquid administration apparatus, the upper walls of the filter chamber on the upstream side of the filter being arranged to funnel gas rising in the chamber towards the inlet member and vent, and to permit liquid flowing downwardly to spread out over the filter surface, the lower walls on the upstream side of the filter drawing inwardly towards the bottom of the chamber to maintain a uniform flow over the filter surface as the liquid diminishes in volume due to flow through the filter; and the lower walls of the filter chamber on the downstream side being arranged to funnel liquid flowing downwardly in the chamber towards the outlet member.

(Compl. Specn. 23 Pages. Drg. 2 Sheets.)

CLASS 32 $F_2(c)$. 151159.

Int. Cl. C 07 c 127/00.

"PROCESS FOR PREPARATION OF UREA."

Applicants : TOYO ENGINEERING CORPORATION, A JAPANESE CHEMICAL CORPORATION OF 5, 2-BANCHI, 3-CHOME, KASUMIGASEKI, CHIYODA-KU, TOKYO, JAPAN AND MITSUI TOATSU CHEMICALS, INC., A JAPANESE CHEMICAL CORPORATION OF 5, 2-BANCHI, 3-CHOME, KASUMIGASEKI, CHIYODA-KU, TOKYO, JAPAN.

Inventors : KEIZO KONOKI, MICHIO NOBUE, AKITO FUKUE AND SHIGERU INOUE.

Application No. 763/Del/79 filed on 31st October 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Delhi Branch.

2 Claims.

A process for the preparation of urea, which comprises reacting NH_3 and CO_2 in a urea-synthesis reaction vessel under high temperature and high pressure conditions, in the presence of an excess of NH_3, then decomposing the ammonium carbamate contained in the effluent from the reaction vessel, separating the decomposition products from the effluent together with the excess NH_3 and returning them to the reaction vessel, and concentrating the aqueous solution of urea obtained after separating the ammonium carbamate and excess NH_3 from the reactor effluent, and then recovering the data, Characterised by feeding NH_3 and a recovery solution containing NH_3, CO_2 and water into said reaction vessel and carrying out a urea synthesis reaction at a temperature of 180° to 200°C, under a pressure of 150 to 250 Kg/cm² gauge, while controlling the composition of the reactant materials fed into said reaction vessel so that the NH_3/CO_2 molar ratio is 3.0 to 4.0 and the H_2O/CO_2 molar ratio is 0.3 to 0.6; feeding the liquid effluent from said reaction vessel and a part of the CO_2 gas to be used as a reactant material into a first, high pressure, decomposing and stripping device, the pressure of which is maintained at the same level as the internal pressure of said reaction vessel, and in said first device flowing the liquid effluent from the first reaction vessel in gas-liquid contact with said part of said CO_2 gas, while heating said effluent at a temperature of from 170°C up to the temperature in said reaction vessel to partially decompose the ammonium carbamate present in said effluent and to strip the gaseous decomposition products thereof and excess NH_3 from the liquid by means of said CO_2 gas, and separately discharging from said first device a first stream of gas comprised of NH_3, CO_2 and water vapor, and a high pressure liquid effluent having a total content of 15 to 25% by weight of NH_3 and CO_2 based on the total weight of the high pressure liquid effluent and excluding NH_3 and CO_2 present in combined from as urea; reducing the pressure of the high pressure liquid effluent and introducing the high pressure liquid effluent into a second, medium pressure, decomposing and stripping device in which the temperature is maintained at 150° to 170°C and the pressure is maintained at 15 to 25 kg/cm² gauge, and feeding another part of CO_2 to be used as a reactant material into said second device as a stripping gas, and in said second device flowing the liquid effluent from said first device in gas-liquid contact with said another part of said CO_2 gas to decompose more to the ammonium carbamate and to strip the gaseous decomposition products thereof by means of said another part of said CO_2 gas, and separately discharging from said second device a second stream of gas comprised of NH_3, CO_2 and water vapor, and a medium pressure liquid effluent having a total content of 5 to 15% by weight of NH_3 and CO_2 based on the total weight of the medium pressure liquid effluent and excluding NH_3 and CO_2 present in combined from as urea; reducing the pressure of the medium pressure effluent and then introducing same into a third, low pressure, decomposing and stripping device in which the temperature is maintained at 100° to 140°C and the pressure is maintained at 1.5 to 3 kg/cm² gauge and feeding the remainder of the CO_2 gas to be used as a reactant material into said third device as a stripping gas, and in said third device flowing the liquid effluent from said second device in gas-liquid contact with said remainder of said CO_2 gas to complete the decomposition of the ammonium carbamate and to strip the gaseous decomposition products thereof by means of said remainder of said CO_2 gas, and separately discharging from said third device a third stream of gas comprised of NH_3, CO_2 and water vapor, and a low pressure liquid effluent which is an aqueous solution of urea substantially free of ammonium carbamate, free NH_3 and free CO_2; then concentrating the effluent from said third device; cooling the third stream of gas discharged from said third device and dissolving same in an aqueous solvent to form a recovery solution; then increasing the pressure of said recovery solution; then dissolving the second stream of gas discharged from said second device in said recovery solution and flowing said recovery solution in indirect heat exchange contact with an aqueous urea solution to concentrate same; then increasing the pressure of said recovery solution and dissolving the first stream of gas discharged from said first device in said recovery solution and flowing said recovery solution in indirect heat exchange contact with water to generate low pressure steam; and then introducing the recovery solution containing dissolved therein the first, second and third streams of gas into said reaction vessel together with the starting NH_3 to effect the urea synthesis reaction.

(Compl. Specn. 25 Pages. Drg. 1 Sheet.)

CLASS 136C. 151160.

Int. Cl. C11 d 13/00.

METHOD AND APPARATUS FOR THE MANUFACTURE OF MULTICOLOURED DETERGENT BARS AND DETERGENT BARS SO PRODUCED.

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) DAVID ALAN ALDERSON AND (2) RAYMOND CYRIL STOTT.

Application No. 91/BOM/1980 filed March 31, 1980. convention date April 6th 1979 (12142/79) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Bombay Branch.

Claim

A method and apparatus for manufacturing multi-coloured detergent bars wherein detergent material is extruded through a multi-apertured plate to form rods which are compacted inwardly as they pass through an extrusion cone, and a liquid differing in visual appearance to the detergent material is injected through at least one point within or immediately downstream of the multi-appertured plate to form striations throughout the material, characterised in that a portion of the liquid so injected is allowed to form narrow striations by compaction within the mass during extrusion through said multi-apertured plate, while the remaining portion of the liquid so injected which migrates to the surface of the said mass is delivered through a plurality of spaced apertures provided in the periphery of said multi-apertured plate, to a number of spaced portions on the peripheral surface of the mass to form striations wider than those formed within the mass, said wider striations extending to the adge of the area through which the detergent material passes.

(Compl. Specn. 14 Pages. Drg. 2 Sheets.)

CLASS 172 D9 151161

Int. Cl. D01 h 13/14.

Title : A MECHANISM FOR STOPPING SILVER FEED WHEN THERE IS YARN—BREAK IN AN OPEN-END SPINNING MACHINE.

Applicant : STAR IDUSTRIAL & TEXTILE ENTERPRISES LIMITED, AN INDIAN COMPANY EXISTING UNDER THE COMPANIES ACT 1956, OF INDIA, HAVING REGISTERED OFFICE AT DHANRAJ MAHAL, CHHATRAPATI SHIVAJI MAHARAJ MARG, BOMBAY-400 039, MAHARASHTRA, INDIA.

Inventors : (1) VINAYAK ANANT WAKANKAR,

(2) RAMESH JANARDAN PHATAK AND

(3) RAMESH YADAVRAO CHURI.

Application No. 101/Bom/1980 filed April 14, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Bombay Branch.

7 Claims.

A mechanism for stopping sliver-feed when there is a yarn-break in an open-end spinning machine, the mechanism comprising an electric circuit including a micro-switch and a solenoid, the micro-switch being connected to a feeler, the feeler being in contact with the yarn and adapted to activate the micro-switch upon a yarn-break, the activated micro-switch energising the solenoid, a plunger in the solenoid being adapted to articulate a catch-lever having a notch adapted to catch

a projection provided at the lower end of a lever connected to the feed-plate, its upper end being connected to a re-setting lever, the movement of the notched catch-lever being adapted to disengage the projection from the notch and turning off the resetting lever, the disengaged feed-plate lever withdrawing the assembly comprising the feed-plate, condenser and sliver from the feed-roller and stopping the sliver supply to the machine.

(Compl. Specn. 12 Pages. Drg. 3 Sheets.)

CLASS 36 A1. 151162.

Int. Cl. F. 04 b 21/00.

A SUBMERSIBLE MONOBLOCK PUMP SET.

Applicants : TIPLE PA TRUST, 14, B/2 MODEL TOWN, BAL RAJESHWAR ROAD, MULUND WEST, BOMBAY-400 080, MAHARASHTRA, INDIA.

Inventors : ASHVINI AVINASH RANADE.

Application No. 112/BOM/1980 filed April 25, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Bombay Branch.

5 Claims.

A submersible monobloc pump set comprising in combination a pump body fitted to the flange of one of the two end shields on a motor body; an integrally formed or detachable strainer covering suction inlet and a delivery outlet provided axially, in-line, parallel or at an angle to motor shaft; and the motor body having the said two end shields with bearings for motor shaft, the said motor body or the end shields being provided with two holes with plugs for sealing fluid within the motor body; "O" sealing ring or gasket mounted on each of the end shields between motor body and end shields; a detachable or integrally formed housing with cover for engaging into the end shields and a housing for pressure equalising diaphragm located either on motor body or end shields; a cable gromets provided wither on motor body or end shields; an impeller at the extension of the motor shaft communicating with suction side of said pump; hook or hooks or similar clamping device either on motor body or pump body; and detachable or integrally formed extension legs connected to motor body or end shields; the arrangement being such that when the said motor is filled with water, oil or air and is submerged in water or fluid to be pumped and said water, oil or air in pump motor gets heated during pump operation, the said pressure equalising diaphragm operates thereby maintaining the fluid pressure constant within the motor.

(Compl. Specn. 12 Pages. Drg. 4 Sheets.)

CLASS 85 R. 151163.

Int. Cl. F 27 b 1/00.

AN AIR PREHEATING SYSTEM FOR CUPOLA FURNACE.

Applicants : MRS. REWATI BHALCHANDRA SANE, 28 VIJAYANAGAR COLONY, PUNE-411 030, MAHARASHTRA STATE, INDIA.

Inventors : BHALCHANDRA VISHNU SANE.

Application No. 122/BOM/1980 filed May 6, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Bombay Branch.

1 Claim.

An air pre-heating system for cupola furnace comprising plurality of openings provided at the upper level of a copula furnace for tapping hot gases containing partly combustible gases which are led to a combustion chamber characterised in that the said combustion chamber being provided with an oil fired burner to burn the said gases, a plurality of openings in the said combustion chamber connected to tubings of high temperature cell, a bye-pass means to deliver cool air around the said connections to protect the same from damage by excessive heat, blast of very hot gases having temperature of around 800°C passes on to a vertical twin cell recuperator provided with tubular passage for the said hot gases which in turn exchange heat with the blast of air from a blower, as a result of which the temperature of the said hot gases drops down to around 250°C which further pass on to a dust collecting chamber and to a tall scrubber tower receiving a shower of water from top to cool the rising gases which in turn are driven out by an exhaust fan to the atmosphere; the blast of air from the said blower having now gained temperature of around 400°C is fed to the base of cupola.

(Compl. Specn. 7 Pages. Drg. 1 Sheet.)

CLASS 173B. 151164.

Int. Cl. B05 b 17/00.

IMPROVED SPRAY PUMP.

Applicant & Inventor : DEELIP GANESH KULKARNI, AT & POST NAGALGAON, TALUKA-UDGIR-413 517, DIST OSMANABAD, MAHARASHTRA, INDIA.

Application No. 183/BOM/1980 filed June 28, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) the Patent Office, Bombay Branch.

1 Claim.

An improved spray pump comprising two foot-operated bellow mechanisms which are adapted to be tied underneath or to form an integral part of the footwear worn by the operator, a container on the operator's back consisting of two sets of suction and delivery valves which in turn are connected to the said bellows on left and right foot such that as the operator walks the foot is lifted and air is sucked in the bellow to be compressed when this foot is set on the ground, the said compressed air exerting pressure on the liquid medium held in the container, and there is provided a safety valve in the container to release the excess pressure and further liquid kept in the container is sprayed with the help of a lance of the sprayer.

(Compl. Specn. 6 Pages. Drg. 2 Sheets.)

CORRECTION OF CLERICAL ERRORS UNDER SECTION 78 (2) & (3)

Claims 9 to 14 & 16 have been deleted and consequential corrections of the title of the invention in the application and specification made so as to read as "A process for preparing a passivating agent". in respect of the application for patent No. 149751 (early 157/Cal/78) the acceptance of the complete specification of which was notified in Part III, Section 2, of the Gazette of India dated the 3rd April, 1982.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specification are available for sale from the Officer-in-charge, Government of India, Central Book Depot, 8 Hastings Street, Calcutta, two rupees per copy :—

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CLAIM ON FORM 10 UNDER SECTION 20(1) OF THE ACT, 1970

The claim made by Tenco Brooke Bond Limited under section 20(1) of the Patents Act, 1970 to proceed the application for patent No. 146702 in their name has been allowed.

AMENDMENT PROCEEDINGS UNDER SECTION—57

Notice is hereby given that Delta Plastics Limited a New Zealand Company of 931 Tremaine Avenue Palmerston North, New Zealand have made an application under section 57 of the Patents Act, 1970 for amendment of the application Form, specification and drawings of their patent application No. 149657 for "A liquid flow sensing device". The amendments are by way of correction of the name of the applicants which has been changed from "Delta Plastics Limited". to "Allflex International Limited". The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

ELECTRICAL ENGINEERING LIST I

COMMERCIAL WORKING OF PATENTED INVENTION

The following Patents in the field of Electrical Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under section 146(2) of the Patents Act, 1970, in respect of Calendar year, 1981, generally on account of want of requests for Licences to work the Patented inventions. Persons who are interested to work the said Patents commercially may contact the Patentees for the grant of Licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name and Address of Patentees	Title of the invention.
1	2	3	4	5
1	107579	18-10-66	N. V. Philips' Gloeilampenfabricken 29, Eindhoven, Holland, Netherlands	Improvements in or relating to Sodium Vapour discharge lamps.
2	109770	17-3-67	Do.	Improvements in or relating to methods of manufacturing of semi-Conductor devices.
3	109922	27-3-67	Schenectady Chemicals, INC., of Schenectady, New York, U.S.A.	Dual Coated electrical conductor.
4	110127	7-4-67	N. V. Philips' Gloeilampenfabrieken at Emmasingel, Eindhoven, Netherlands.	Semi-Conductor device and circuit arrangement comprising a semi conductor device.
5	112588	30-9-67	Do.	Methods of producing a semi-conductor device and a semi conductor device produced by a serial method.
6	112727	9-10-67	Do.	Circuit for transferring charge between two capacitors.
7	112813	18-10-67	Do.	Method of manufacturing a semi conductor device manufactured by the method.
8	114075	16-1-68	Do.	Electric light pressure mercury vapour—discharge lamp.
9	114574	16-2-68	Do.	Electric discharge lamp comprising container of densely sintered aluminium oxide.

1	2	3	4	5
10	115677	30-4-68	N. V. Philips' Gloeilampen, at Emmasingel, 29 Eindhoven, Holland.	Semi conductor device comprising an insulated gate field effect transistor and method of manufacturing the same.
11	117466	27-8-68	Do.	Method of joining the moving parts of a transducer.
12	117568	4-9-68	Do.	Hall element.
13	117945	7-10-68	Do.	Magnetron in which the activated part of the cathode is enclosed between rings the surface of which counteracts thermal emission.
14	119356	9-1-69	Do.	Resilient suspension member for securing a colour selection electrode in a glass envelope of a cathode ray tube for displaying coloured television images.
15	120253	10-3-69	Do.	Improvements in or relating to Semi conductor devices.
16	120300	12-3-69	Do.	Device for transmission of signals by pulse code modulation.
17	120774	7-4-69	Do.	Method of providing an anti implosion clamping band around the envelope of a television picture tube and television picture tube manufactured by the means of same method.
18	121008	21-4-69	Do.	Capacitor charge transfering device.
19	121110	28-4-69	Do.	Method of manufacturing a magnetic core and a magnetic core manufactured thereby.
20	121892	18-6-69	Do.	Semi conductor device.
21	127004	9-6-70	Gebruder Moller, Glasblaserei inhaber, Willi moller, of Gubelstrasse 37, Zurich, Switzerland, a Swiss Firm,	Measuring electrode for measuring of ions in solutions.
22	127088	15-6-70	N. V. Philips' Gloeilampenfabrieken, at Emmasingel, 29 Eindhoven, Holland.	Semi conductor device comprising an insulated gate field effect transistor.
23	127125	16-6-70	Do.	Crystal support for a semi conductor Crystal.
24	127231	23-6-70	Do.	Method of manufacturing a electric discharge tube or a electric lamp..
25	127958	10-8-70	Siemens AG Berlin and Munich West Germany.	An installation comprising an asynchronous electrical machines.
26	128267	2-9-70	Siemens AG Berlin and Munich, West Germany.	Amplifier regulation arrangement for carrier frequency information transmission.
27	128442	15-9-70	N. V. Philips' Gloeilampenfabrieken, at at Emmasignel, Eindhoven, Netherlands	Magnetic cores consisting of manganese—Zinc—magnesium—Copper ferrites and method of manufacturing said cores.
28	128591	25-9-70	Siemens AG, Berlin and Munich Federal Republic of Germany.	Spark gap assembly for a surge arrester.
29	128946	22-10-69	BICC LIMITED, of 21 Bloomsbury Street, LONDON WCIB 20N, England.	Improvements in electric cables.
30	129428	28-11-70	Telefonaktiebolaget L M Ericsson, of 12611 Stockholm 32 Sweden, a Swedish Body Corporate,	Electric thread shaped conductor
31	129600	15-12-70	Westing House Electric Corporation, 3 Gateway Center Pittsburgh, Pennsylvania, U. S. A.	Improved fluorescent lamps.

1	2	3	4	5
32	129723	24-12-70	RCA Corporation, of 30 Rockefeller, Plaza, New York, New York, 10020, United States of America.	Monopulse multimode feed system.
33	129882	8-1-71	Siemens AG Berlin & Munich West Germany.	A printed circuit board having a plurality of control channels on one side thereof.
34	129899	11-1-71	N. V. Philips' Gloeilampenfabrieken at Emmasingel, Eindhoven, Netherlands.	Method of manufacturing a Semi conductor device and Semi conductor device obtained by using the method.
35	130283	16-2-71	Siemens AG Berlin & Munich, West Germany.	Improvements in or relating to pulse-code modulation system.
36	130285	16-2-71	Do.	Improvements in or relating to signal channel combination systems and a polarisation diversity receiving system employing of the same.
37	130470	4-3-71	Combustion ENGG. INC.	Fuel burner safety control circuit capable of distinguishing between power interruptions and emergency operation conditions.
38	130727	22-1-72	Nippon Hoso Kyokai, of 2-1, 2-Chame, Jinnan Shibuya-Ku, Todyo, Japan.	Metal vapour discharge lamp.
39	130824	2-4-71	Sumitonio Electric Industries Ltd., 15, 5-Charge, Kitohama, Higashi-Ku, Osaka, Japan.	Insulated cable having outer semi conductor layer
40	130920	8-4-71	N. V. Philips' Gloeilampenfabrieken, at Emmasingel, Eindhoven, Netherlands.	Transmitters for the transmission of signals by pulse code modulation.
41	131288	7-5-71	Egons Scheubeck, 5 Eichenstrasse, Aeitlarm, Regenesburg, Federal Republic of Germany.	Stage selector for regulating transformers.
42	131290	7-5-71	Ustav provyzkumrud, of Praha 4, Modranska 23, Czechoslovakia.	High intensity multizone magnetic Separator.
43	131480	24-5-71	N. V. Philips' Glocilampenfabricken, at Emmasingel, Eindhoven, Netherlands.	Method of manufacturing a semi conductor device and semi conductor device manufactured according to the method.
44	131604	4-6-71	Do.	Method of manufacturing magnet cores consisting of a soft magnetic ferrite and magnet cores manufactured by this method.
45	131822	21-6-71	Do.	Method of manufacturing a semi conductor device and semi conductor device obtained by using the method.
46	132357	3-8-71	Siemens AG Berlin and Munich, Germany West.	Improvements in or relating to digital filters.
47	132597	20-8-71	N. V. Philips' Glocilampenfabricken, at Emmasingel, Eindhoven Netherlands.	Method of manufacturing a semi conductor device and device manufactured by the method.
48	132598	20-8-71	Do.	Semi conductor device.
49	132599	20-8-71	Do.	Method of manufacturing a semi conductor device.
50	132600	20-8-71	Do.	Semi conductor device in particular a monolithic integrated circuit.
51	132601	20-8-71	N. V. Philips' Gloeilampenfabricken, at Emmasingnel, Eindhoven, Netherlands.	Semi Conductor device having a transistor.
52	132602	20-8-71	Do.	Semi conductor device in particular integrated monolithic circuits.
53	132746	1-9-71	Do.	Improvements in or relating to ferrite cores.
54	133173	8-10-71	Westinghouse Brake and Signal Company Limited, of England, 82, York way, King's cross, London, N. I. 9A. J. England.	Static relaying circuit.

1	2	3	4	5
55	133351	25-10-71	Matsushita Electric Industrial Co. Ltd., 1006, Oaza, Kadoma-shi, Osaka, Japan. Kadoma.	Variable condensers.
56	133362	11-5-70	Minnesota Mining and Manufacturing Co. of Minnesota, of 3 M Center, Saint Paul, Minnesota, 55101, U.S.A.	An assembly station for use in splicing of communication cables.
57	133363	11-5-70	Do.	Probe member for verifying electrical connection to be used in splicing of communication cables.
58	133740	25-11-71	Fairchild Camera & Instrument Corporation, 464, Ellis Street, Mountain view 1 California, G4040 U.S.A.	A method of fabricating integrated circuits with oxidized isolation.
59	133892	8-12-71	N. V. Philip's at Emmasingel, Eindhoven Netherlands.	Improvements in or relating to electric discharge vessels.
60	134371	24-1-71	Egon Scheubeck, 5, Eichenstrasse, Zeitlara, Regensburg, F. R. G.	Stepping switch for regulating transformers.
61	134474	2-2-72	Siemens AG. Berl n and Munich, Federal Republic of German.	Improvements in or relating to electromechanical filters and apparatus of method of trimming same.
62	134788	1-3-72	N. V. Philips,' at Emmasingel, Eindhoven, Netherlands.	Method of manufacturing a semi conductor device and semiconductor device manufactured by using such a method.
63	135190	6- -72	Siemens AG. Berlin and Munich, Federal Republic of German.	Radio relay network system for the transmission of digital signals containing at least one radio relay station serving a plurality of relay.
64	135355	15-12-70	Westinghouse Electric Corporation. 3 Gateway Centre, Pithsburg, Pennusylvavia, U. S. A.	Phaspheric coated tubular lamp envelopes.
65	135559	8-3-72	RCA Corporation, 30 Rockefeller Plaza, New York, New York, 10020, United States of America.	Method of assembling a semi conductor device.
66	136012	1-12-72	Siemens-- Albis aktiengeselischaft, of Albistiederstrasse 245, 8047 Zurich, Switzerland.	Improvements in or relating to oscillator phase control circuits.
67	136030	24-4-72	Westinghouse Electric Corporation, of Westinghouse Building, Gateway Center, Pittsburgh, Pennsylvania 15222, United States of America.	Signal receiving apparatus for vehicle control systems.
68	136036	17-7-72	Egon Schevbeck, 5 Eichenstrasse, Zeitlarn, Regensburg, E. R. G.	Improvements in or relating to regulating transformer.
69	136295	4-7-72	Westinghouse Electric Corporation, of of Westinghouse Building, Gateway Center, Pittsburgh, Pennsylvania 15222, United States of America.	Rotors for synchronous dynamoelectric machines.
70	136319	22-6-72	Minnesots Mining and Manufacturing Company, of 3M Center, Saint Paul, Minnesota 55101, United States of America.	Magnetic recording tape.
71	136463	17-2-73	N. V. Philips' Gloeilampenfabrieken, at Emmasingel, Eindhoven, Netherlands.	Transistor amplifier for broad information signals.
72	136519	1-9-72	Westinghouse Electric Corporation, Pittsburgh, Pennsylvania 15222, United States of America.	Vertical dynamo Electric machine with improved stator support means.
73	136816	2-5-72	RCA Corporation, 30 Rockefeller Plaza, New York, New York , 10020, United States of America.	Television display system.
74	136824	3-5-72	Do.	Color image display system.
75	136850	10-5-72	Do.	Color image display system.
76	136998	29-1-73	Westinghouse Electric Corporation, Pittsburgh, Pennsylvania 15222, United States of America.	Rectifier assembly for brushless excitation system.

1	2	3	4	5
77	137036	21-10-72	Burroughs Corporation, 2nd avenue of Burroughs, Detroit, Michigan, 48232 U. S. A.	Electric Calculators.
78	137066	3-4-73	Siemens AG, Berlin & Munich, Federal Republic of Germany.	An apparatus providing plurality of signal paths having a circuit for blocking said paths.
79	137260	15-5-73	Essex Group INC, 1601 Wall Street Fort Wayne Indiana, 46804, U.S.A.	Terminating and splicing electrical conductors.
80	137351	9-1-73	ASEA AKTIEBOLAG, of Vasteras, Sweden.,	Insulating part of electric switching device.
81	137387	25-1-73	ESB Incorporated, 5 Penn Center Plaza, Philadelphia, Pennsylvania 19103, United States of America.	An electrical mechanical device for modifying the naturally occuring electric potential of a living body.
82	137421	5-2-73	Maschinenfabrik Reinhausen Gebruder Scheubeck KG. of 8 Falkensteinstrasse, 84 Regensburg, Federal Republic of Germany.	A transformer housing.
83	137439	31-1-73	Westinghouse Electric Corporation, of Westinghouse Building, Gateway Center Pittsburgh, Pennsylvania 15222. Uited States of America.	Transducer device.
84	137472	14-11-72	Do.	Sensing system for cut to length shear.
85	137581	21-11-73	Hidachi Ltd., 41-Chome, Marunouch., Chiyoda-ka, Tokyo, Japan.	Rotary electric machine of the liquid Cooled type.
86	137673	4-4-72	LA Telemecanique electrique, of 33 Bis and 33 Ter Avenue du Merechal Joffre, 9200 Nanterre, FRANCE.	System providing power supply connections & interconnections for logic blocks.
87	137701	24-1-73	Ishikawajima-Harima Jukogyo Kabushiki Kaisha, of 2—1 Chome, Ote-Machi, Chiyoda-Ku, Tokyo-to, Japan.	Electric direct arefurnace.
88	137731	26-2-73	Siemens AG, of Berlin and Munich, Pederal Republic of Germany.	A switch mechanisms.
89	137748	21-12-71	Societe L' Etude Et De', Applications Des Techniques, Nocivelles "Neo-Tec of 96, Boulevard de Haussmana, 75, 75008 Paris France.	Radio Position fixing receives of the hyperbolic position line phase measurement type.
90	137812	10-9-73	Hidachi Ltd., 5-1 1-Chome, Morunouchi, Chiyodaku, Tokyo, Japan.	Current limiting circuit breaker.
91	137832	28-7-73	Burroughs Corporation, Burronghs place 1 Detroit, Michigan, 48232, U. S. A.	A data processing system.
92	138046	15-5-73	N. V. Philips' Gloeilampenfabrieken, at Emmasingel, Eindhoven, Netherlands.	System for the transmission of signals by compared delta modulation.
93	138047	31-5-73	Hitachi Ltd., 4, 1-chome, Marunouchi, Chiyoda-Ku, Tokyo, Japan.	Shielded conductors in a disc winding for an electrical inductive device.
94	138095	17-12-73	Westinghouse Electric Corporation, of Westinghouse Building, Gateway Center, Pittsburgh, Pennsylvania 15222, United States of America.	Method of making a thyristor.
95	138160	1-2-74	Do.	Rectifier assembly for brushless excitation systems.
96	138272	9-10-73	Do.	Do.
97	138284	16-8-73	Burroughs Corporation, Burroughs place, Detoit Mihigar, 48232, U. S. A.	Digital data copy duplication apparatus utilising bit to bit data verification.
98	138306	12-3-73	Maschinenfabrik Reinhausen Gebruder Scheubeck K. G., 8 Falensteinstrasse, 84 Regensburg, Federal Republic of Germany.,	Electrical resistance element and load diverters switch in corporating the same.
99	138325	12-11-73	Burroughs Corporation. Burronghs place, Detroit, Michigan 48232, U.S.A.	Firing arc and method of manufacturing same.

COMMERCIAL WORKING OF PATENTED INVENTION :

ELECTRICAL ENGINEERING LIST : II

The following Patents in the field of Electrical Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under section 146(2) of the Patents Act, 1970, in respect of Calendar year, 1981, generally on account of want of requests for Licences to work the Patented inventions. Persons who are interested to work the said Patents commercially may contact the Patentees for the grant of Lincence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name and address of the Patentee	Title of the invention
1	2	3	4	5
1	138327	16-8-73	Burroughs Corporation, Burrughs, place, Detroit, Michiyer 48232 U.S.A.	A micro-programmed processor apparatus
2	138328	8-8-73	Do.	Micro programable paralled bit digital computers.
3	138341	14-8-73	Do.	Improved incremental seed device for advancing paper tape, record cards and linked ribbon in a printer.
4	138343	1-2-74	Diamond Power, us Route 22 East, Lancarter, Ohio, U.S.A.	Flexible power connection means for travelling elements.
5	138361	16-5-74	Burroughs Corporation.	Multi level information processing system.
6	138368	18-4-73	RCA Corporation, 30 Rockefeller Plaza, New York, New York, United States of America.	A colour image composite signal translating system.
7	138382	21-10-72	Burroughs Corporation, 6071, 2nd avenue of Burroughs Detroit, Michigan, 48232 United States of America.	Device for the transfer of series process information particularly for synchronization in an electronic calculator.
8	138418	7-2-74	Maschinenfabrik Reinhausen Gebruder Scheubeck KG., 8 Falkensteinstrassen, 84, Regensburg, Federal Republic of Germany.	Improvements in or relating to three phase tap changen switches.
9	138432	6-9-73	Burroughs Corporation, 6071, 2nd Avenue, Detriot, Michigan, 48232 U.S.A.	A digital computer system having control means for transfering binary coded information.
10	138433	16-8-73	Do.	A system for accessing a desired record of a sequential file in a storage medium.
11	138445	17-8-73	Do.	Data processing system.
12	138446	7-8-73	Do.	Fault alarm and control apparatus.
13	138458	8-8-73	Burroughs Corporation, Detroit, Michigan, 48232, U.S.A.	Apparatus for coded binary data retrieval.
14	138501	8-8-73	Do.	Data retrieval system for retrieving digital data from a record medium.
15	138520	7-8-73	Do.	A digital storage system.
16	138590	2-3-73	The electric actuator company Limited, Bolling Road, Bradford 4 of York, England.	Improvements in or relating to electric actuators.
17	138623	29-3-74	Siemcans, AG, Berlin and Munich, West Germany.	Improvements in or relating to electrical filters.
18	138676	4-4-74	Do.	Circuit for processing binary signals.
19	138711	17-7-74	Westinghouse electric corporation, of Westinghouse Building, Gateway Center Pittsburgh, Pennsylvania 15222, United States of America.	An amplifier with failsafe predetermined gain.
20	138720	8-8-73	Burroughs Corporation, Burugh Place Detroit, Michigan, 48232 U.S.A.	Apparatus for rgulating input/output traffic of a data processing system.
21	138818	19-12-73	Siemens' AG, Berlin & Munich, Federal Republic of Germany.	Signal holding circuitry for example circuitry used within a step control system.

1	2	3	4	5
22	138866	28-8-73	Burroughs Corporation, Burroughs place, Detroit Michigan 48232, U.S.A.	Solenoid control system.
23	138876	22-5-74	Siemens' AG, Berlin & Munich, Federal Republic of Germany.	Improvements in or relating to multiple plug connectors.
24	138912	28-2-73	Micafil AG, Badenerstrasse 780, CH-8048 Zurich/Switzerland.	A protective circuit for capacitive voltage transformers.
25	138914	18-9-73	Hidachi Ltd., 4, 1-Chome, Marunouchi, Chiyodo-Ku. Tokyo, Japan.	Circuit interrupting device.
26	138915	24-10-73	Burroughs Corporation., Burroughs place, Detroit, Michigan 48232, U.S.A.	Card feeding apparatus.
27	139001	27-6-74	Westinghouse Electric Corporation, of Westinghouse Building, Gateway Center, Pittsburgh, Pennsylvania 15222, United States of America.	Electric insulator with improved performance in contaminated atmospheres.
28	139051	15-3-73	N. V. Phillips' Gloeilampenfabrieken, at Emmasingel, Windhoven, Netherlands.	Semiconductor device, and method of manufacturing the device.
29	139058	19-4-74	Mosebach Manufacturing Company, 1115 Arlington Avenue, Pittsburgh, Pennsylvania 15203, United Atates of America.	Grid resistor.
30	139098	28-2-73	Jean Rochet S. A., of 3-bis, rue du Congress, 92600 Annieres, France.	Improvement in or relating to a miniature signal lamp with base and to the process and apparatus for its manufacture.
31	139163	5-3-73	William Mauricebard Fitzgerald, of R. R. No. 1, Claremont, Ontario, Canada.	Improvements relating to power units.
32	139102	22-5-74	Siemens' AG. Berlin & Munich, Federal Republic of Germany.	Improvement in or relating to coil formers.
33	139217	8-8-73	Burroughs Corporation, Burroughs place, Detroit, Michigan 48232, U.S.A.	Improved capacitive read only memory.
34	139255	14-8-73	Burroughs Corporation, Burroughs place Detroit, Michigan, 48232 U.S.A.	Fail soft interrupt system for a data processing system.
35	139272	18-4-73	RCA Corporation, of 30 Rockefeller Plaza, New York, New York 10020, United States of America.	A color image retranslating system.
36	139363	28-2-74	Do.	Optical system.
37	139475	10-8-73	Girling Limited, of King's Road, Tyseley, Birmingham 11, Warwickshire, England.	Improvement in or relating to electrical plug and socket connectors.
38	139523	9-8-73	Burroughs Corporation, Burroughs place, Detroit, Michigan, U.SA.	Means for testing a programmable data, communication terminal.
39	139550	12-11-74	Do.	Leadless ceramic package for integrated circuit having heat sink means.
40	139847	3-4-74	Burroughs Corporation, Burroughs place, Detroit, Michigan, 48232, U.S.A.	A micro program data processor having parallel instruction flow streams for plural levels of sub-instruction sets.
41	139855	3-7-74	Do.	Failsafe system for energizing the capstan motor of a magnetic tape transport system.
42	139874	14-8-73	Burroughs Corporation, Burroughs place, Detroit, Michigan, 48232, U.S.A.	A predeterminedly configured roller for use in document reaching and sorting apparatus and the apparatus using the roller.
43	139889	17-8-73	Do.	An apparatus for processing data in accordance with a stored programme.
44	139943	1-5-73	Roche Ramchand Pardasani, Bhatila Building, 87, Ranade Road, Shivaji Park, Dadar, Bombay-400 028, India.	Improvement in or relating to dead front fuse units.

1	2	3	4	5
45	139962	3-5-73	Roche Ramchand Pardasani, Bhatila Building, 87, Ranade Road, Shivaji Park, Dadar, Bombay-400028, India.	Improvements in or relating to cut-out or fuse base.
46	139964	29-8-73	Burroughs Corporation, Burroughs place, Detroit, Michigan 48232. U.S.A.	A micro-programable multi processor system.
47	139967	12-11-73	Westinghouse electic corporation, of Westinghouse Building, Gateway Center, Pittsburgh, Pennsylvania 15222, United States of America.	Circuit interrupter comprising electro magnetic opening means.
48	139992	31-5-74	Union Carbide Corporation, New York, United States of America, at 270 Park Avenve, New York, State of New York 10017.	High pressure infrared cell for use in analysing materials.
49	139994	19-9-74	Siemens AG, Berlin and Munich, Federal Republic of Germany.	Programme controlled data switching system.

ELECTRICAL LIST III

COMMERCIAL WORKING OF PATENTED INVENTION

The following patents in the field of Electrical Engineering Industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under section 146(2) of Patent Acts, 1970, in respect of Calender year 1981 generally on account of want of requests for licences to work the patented inventions.

Persons who are interested to work the said patents commercially may contact the patentees for the grant of licences for the purpose.

S. No.	Patent No.	Date of patent	Name and address of patentee	Title of the invention
1	2	3	4	5
1	140021	8-5-73	Great Lakes Carbon Corpn., 299, Park Avenue, New York State of New York U.S.A.	Apparatus for collecting emissions discharged into atmosphere from high temperature chemical reactors.
2	140045	7-8-73	Burroughs Corpn, Burroughs Corpn Place, Detroit, Michigan 48232, U.S.A.	Digital computer apparatus
3	140054	19-7-74	Do.	Display panel
4	140062	17-12-74	USS Engineers and Consultants, INC State of Delaware, at 600 Grant Street, Pittsburg, State of Pennsylvaia, U.S.A.	Low balanced closure for electric arc furnace transformers.
5	140085	14-9-73	Burroughs Corpn, Burroughs Corpon Place, Detroit, Michingan 48232, U.S.A.	Apparatus for automatic generation of minicomputer instructions for discrete classes of applications.
6	140104	5-4-74	Siemens AG, Berlin & Munich, West Germany.	Improvements relating to micro wave circulators.
7	140113	7-8-74	Do.	Improvements relating to multiple socket connectors.
8	140131	28-6-73	Westinghouse Electric Corporation, of Westinghouse Building, Gateway Center, Pittsburg, Pennsylvania-15222, U.S.A.	Dielectric fluids for electrical apparatus.
9	140163	8-8-73	The Solartron Electronic Group Ltd, of Victoria Road, Farnborough, Hampshire, England.	Improvements in weapon training systems particularly for simulating the use of a weapon against target.

1	2	3	4	5
10	140176	12-11-74	Burroughs Corporation, Burroughs Corporation Place, Detroit, Michingan, 48232, U.S.A.	A data driven information processing system.
11	140185	9-10-74	Siemens AG Berlin & Munich, F.R.G.	Improvements relating to piezoelectric resonators
12	140227	5-12-74	United Aircraft Corpn., 400, Main Street, East Hart ford Connecticut, USA.	Fuel cell electrode
13	140257	9-8-73	Burroughs Corpn, Burroughs Corpn. Place Detroit Michingan 48232, USA.	Two bit non restore, look ahead binary divider.
14	140457	15-11-73	Lodge Cottrell Ltd., of George Street Parade, Birmingham B3 1QQ, England.	Automatic voltage controller.
15	140475	21-10-75	Union Carbide India Ltd., of 1, Middleson Street, Calcutta-71, West Bengal, India.	Flashlights or electric torches
16	140542	30-4-74	Siemens AG, Berlin & Munich, West Germany.	Improvements relating to digital filter.
17	140555	7-3-74	Diamond Power, Specialty Corpn., U.S. Route, 22 East, Lancaster, Ohio, USA.	Power connecting apparatus for movable members.
18	140560	10-7-74	Burroughs Corpn, Burroughs Corpn. Place, Detroit, Michingan-48232, U.S.A.	A micro programmable computer system.
19	140572	11-7-74	Do.	Chain printer utilizing a plurality of teeth for engaging driving means and apparatus for generating a unique binary code,
20	140573	12-8-74	RCA Corporation, State of Delaware, of 30 Rockefeller Plaza, New York, New York-10020, U.S.A.	High reliability plastic packaged semiconductor device.
21	140575	19-9-74	Siemens AG, Berlin and Munich, F.R.G.	Programme controlled data switching system
22	140601	23-11-73	The General Electric Co Ltd, of 1, Stanhope Gate, London W1A 1HH, England.	Improvements relating to protective devices for electric power transmission system.
23	140603	9-4-74	Burroughs Corpn, Burroughs Corpn Place, Detroit, Michingan-48232, U.S.A.	A small microprogram data processing system employing multisyllable micro instructions.
24	140672	16-10-73	Siemens AG, Berlin & Munich, F.R.G.	Improvements relating to process for the permanent polarisation of piezo electric material .
25	140736	26-9-73	Westinghouse Electric Corporation, of Westing house Building, Gateway Center, Pittsburg, Pennsylvania-15222, U.S.A.	Protective relay system.
26	140926	1-4-74	Siemens AG, Berlin & Munich, F.R.G.	Improvments relating to microwave calculators.
27	140928	15-4-74	Monsanto Company, State of Delaware, at 800 North, Lindbergh Boulevard, St. Louis Missouri 63166 U.S.A.	Capacitor and dielectric impregnant composition therefor.
28	140988	19-12-73	Siemens AG, Berlin & Munich, West Germany.	Improvements relating to carrier frequency data transmission systems.

RENEWAL FEES PAID

115503 119634 119801 120086 120354 120369 121622 125400
125741 126177 128229 130114 130351 131460 134402 136463
136972 137564 138053 138162 138192 138271 140325 141514
142576 142871 143844 144395 144657 145027 145353 145599
145781 145808 145816 146265 146968 146969 147716 147927
148085 148104 148183 148184 148210 148295 148542 148916
149141 149164 149387 149407 149492 149503 149529 149699
149720 149775 149779 149787 149810 149844

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 152367. Meera Metal Industries, (a registered partnership firm) of 32/2, 2nd Panjarapole Lane, C P. Tank, Bombay 400 004, State of Maharashtra, India. "Sandwich Toaster". 13th October, 1982.

Class. 1. No. 152168. Messrs. Prakash Sanitations, Indian Partnership firm, having their Office at 20/24, Shahid Bhagat Singh Road Opposite Old Custom House, Fort, Bombay-400 023, State of Maharashtra, India. "Hand Showers". 10th August, 1982.

Class. 1. No. 151687. Esmond Fonseca, Randhi Venkata Ramesh, Fredrick Etto, Bernard Volrath, all Indians and all of 11, Hungerford Street, Calcutta-700 017, West Bengal, India. "Leaf Spring". 15th March, 1982.

Class. 1. No. 151688. Esmond Fonseca, Randhi Venkata Ramesh, Fredrick Etto, Bernard Volrath, all Indians and all of 11, Hungerford Street, Calcutta-700 017, West Bengal, India. "Leaf Spring". 15th March, 1982.

Class. 1. No. 151635. Shakti Electricals (Pvt) Ltd., Industrial Estate, Jaipur Rajasthan, a Company incorporated in India under the Indian Companies Act having all shareholders of Indian nationality. "A Voltage Stabiliser". 2nd March, 1982.

Class. 1. No. 152346. Shivshakti Industries, an Indian Sole Proprietors' firm of 120-A, Bombay Talkies Compound, Malad (West), Bombay-400 064 (Maharashtra). "Aldrop with Lock". 6th October, 1982.

Class. 1. No. 152345. Shivshakti Industries, an Indian Sole Proprietors' firm of 120-A, Bombay Talkies Compound, Malad (West), Bombay-400 064 (Maharashtra). "Rolling Shutter Lock". 6th October, 1982.

Class. 1. No. 152340. Murlidhar J. Kalro of 8A. Bhabanath Sen Street, Calcutta-700 004 West Bengal Indian. "Iron Rest (Hang Iron)". 5th October, 1982.

Class. 1. No. 152006. Vijay Govind Gokhale, an Indian Citizen, C/o. Bombay Chemicals Pvt. Ltd., 129, Mahatma Gandhi Road, Fort, Bombay-400 023, Maharashtra, India. "Former for Casting Concrete". 24th June, 1982.

Class. 1. No 152558. M/s. Suzuki Jidosha Kogyo Kabushiki Kaisha, 300, Kamimura Takatsuka, Hamana-gun, Shizuoka-ken, Japan, a corporation duly organised and existing under the laws of Japan. "Motorcycle". 9th December, 1982.

Class. 1. No. 152217. Pressure Cookers & Appliances Limited, an Indian Company, of F-101, Maker Towers, Cuffe Parade, Bombay-400 005. Maharashtra, India. "Pressure Cooker". 23rd August, 1982.

Class. 1. No. 152102. Franklin Machinery Limited, a New Zealand Company of 37 Subway Road, Pukekohe, Auckland, New Zealand. "A Fencing Stake" 19th July, 1982.

Class. 1. No. 152484. Mahendra Singh Chud Singh, Indian National, C/o. 78 Podar Chambers, S.A. Brelvi Road, Fort, Bombay-400 001, State of Maharashtra, India. "Clutch Plate". 22nd November, 1982.

Class. 3. No. 152378 Bush India Limited, a Company incorporated under the Companies Act, 1956, and having its registered office at Sukh Sagar, N.S. Patkar Marg, P.O Box 4127, Bombay-400 007, State of Maharashtra. "Television". 15th October, 1982.

Class. 3. No. 151813. Shri Ramesh Dhawan and Shri Ashwani Dhawan, both Indian nationals and partners of Messrs Edna Industries, 9, E. Mohim Haldar Street, Calcutta-700 026. "Powder Boxs". 15th April, 1982.

Class. 3. No. 152007. Vijay Govind Gokhale, an Indian Citizen, C/o. Bombay Chemicals Pvt. Ltd., 129, 129, Mahatma Gandhi Road, Fort, Bombay-400 023, Maharashtra, India. "Former for Casting Concrete". 24th June, 1982.

Class. 3. No. 152387. Anjali Products, 170, Bombay Talkies Compound, Malad (West), Bombay-400 064, State of Maharashtra, India. "A Cassette Stand made of Plastic". 20th October, 1982.

Class. 3. No. 152379. Bush India Limited, a company incorporated under the Companies Act, 1956, and having its registered office at Sukh Sagar, N.S. Patkar Marg, P.O. Box 4127, Bombay-400 007, State of Maharashtra. "Television". 15th October, 1982.

Class. 3. No. 152219. The Delhi Cloth & General Mills Co. Ltd., (A Company incorporated under the Indian Companies Act) also trading as :—D.C.M. Chemical Works, Shivaji Marg, New Delhi-110015. India. "Container". 23rd August, 1982.

Class. 3. No. 152218. The Delhi Cloth & General Mills Company Limited (A Company incorporated under the Indian Companies Act) also trading as :—D.C.M. Chemical Works, Shivaji Marg, New Delhi-110015. "Container". 23rd August, 1982.

Class. 3. No. 151983. Paramount Industrial Corporation, B-25/2, Wazirpur Industrial Area, Delhi-52 an Indian Partnership Firm. "Plastic Slate". 15th June, 1982.

Class. 3. No. 151982. Paramount Industrial Corporation, B-25/2, Wazirpur Industrial Area, Delhi-52 an Indian Partnership Firm. "Pencil Box". 15th June, 1982.

Class. 3. No. 152167. Messrs. Prakash Sanitations, Indian Partnership firm having their Office at 20/24, Shahid Bhagat Singh Road Opp. its Old Custom House, Fort, Bombay-400 023, State of Maharashtra, India. "Hand Shower". 10th August, 1982.

Class. 3. No. 152127. Minni Trading Corporation, 5-B, Kanchan Villa, Goreswadi, Malad West, Bombay-400 064, Maharashtra, an Indian Partnership Firm. "Measuring Cup". 28th July 1982.

Class. 3. No. 152573. Messrs Precision Mouldings Private Limited, 4 Sathyanarayana Avenue, Madras-600 028, Tamil Nadu, an Indian Private Limited Company, "Pull up spout Pourer". 13th December, 1982.

Extn. *of Copyright for the Second period of five years.*
Nos. 151411, 151412 .....Class-1.
Extn. *of Copyright for the Third period of five years.*
Nos. 140509, 140633, 151411, 151412, 140440.....Class-1.

DR. K. V. SWAMINATHAN,
Controller General of Patents,
Designs and Trade Marks.

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